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1872.

PHOENIX'S

Floral Guide

GARDEN DIRECTORY

AND

DESCRIPTIVE CATALOGUE

OF

**GREENHOUSE, GARDEN AND BEDDING PLANTS, LILIES,
AND SUMMER-FLOWERING BULBS.**



**PUBLISHED BY F. K. PHOENIX,
BLOOMINGTON, ILL.**

E. R. DONNELLEY, PRINTER, (LAKESIDE PRESS), CHICAGO.

CULINARY ROOTS, PLANTS, ETC.

POTATOES.

Early Rose,.....	per bush. \$2.00, per bbl. \$4.00
White Peach Blow, best keeper.....	" 2.00, " 4.00
Red Peach Blow,.....	" 1.25 " 3.00
Nansemond Sweet Potatoes,.....	" 2.50 " 6.00

List of Catalogues, Bloomington Nursery.

1. General Descriptive, 100 pages, Illustrated, 10 cts.
 2. Wholesale Price List, for Nurserymen, Dealers and large Planters ; semi-annual, 24 pages.
 3. Flower and Vegetable Seeds, and Greenhouse, Bedding and Garden Plants, 112 pages, Illustrated, 10 cts.
 4. Bulbs and Winter-Blooming Plants, Illustrated, 40 pages. Fall.
 5. List of Colored Plates of Fruits and Flowers.
- All five Catalogues for 20 cts.

TABLE

Showing the number of Plants produced by a given quantity of Seed, and the quantity of Seed required for a given amount of land.

1 oz. of Artichoke,.....	600 plants.
1 oz. of Asparagus,.....	1,000 do.
1 oz. of Brocoli, Cabbage, Cauliflower, Egg- Plant and Tomato,.....	4,000 do.
1 oz. of Celery and Lettuce,.....	10,000 do.
1 oz. of Leek and Pepper,.....	3,000 do.
1 oz. of Endive,.....	5,000 do.
1 oz. of Beet will sow one rod.	
$\frac{1}{2}$ oz. of Carrot will sow one rod.	
1 oz. of Corn Salad will sow two rods.	
2 oz. of Parsley, Parsnip and Salsify, should be allotted to every three rods.	
1 oz. of Onion contains 9,000 seeds, and will sow one rod, requiring from five to eight pounds to the acre.	
4 oz. of Radish, broadcast, will sow three rods ; if sown in drills, one-half the quantity will be sufficient.	
8 oz. of Spinach, broadcast, will sow five rods ; if sown in drills, one-half the quantity will be sufficient.	
1 oz. of Cucumber will plant 200 hills.	
1 oz. of Melon will plant 120 to 150 hills.	
1 oz. of Watermelon will plant 40 to 50 hills.	
1 oz. of Squash will plant 50 to 100 hills.	
1 qt. of English Beans will plant about 60 feet of row.	
1 qt. of Dwarf Beans will plant from 230 to 260 feet of row, or 350 to 400 hills.	
1 qt. of Pole Beans will plant from 200 to 250 feet of row, or 100 to 400 hills.	
1 qt. of Field Pumpkin will plant from 500 to 600 hills.	
1 qt. of Peas will plant from 150 to 200 feet of row.	
5 to 8 bushels of Potatoes will plant about 1 acre.	
$\frac{1}{4}$ bushel of Sweet Potatoes will produce 20 bushels.	
1 pound of Turnip is sufficient for 1 acre.	

SUPPLEMENTARY **PLANT AND SEED** **CATALOGUE.**

By F. K. PHOENIX, BLOOMINGTON NURSERY, ILL.

SIX CATALOGUES FREE FOR 20 CENTS.

New and Desirable Plants.

ABUTILON.

Santana Alba—New variety, with large *pure white* flowers. 35c each; \$2.50 per dozen.

AGERATUM.

Imperial Dwarf—Low-growing variety of Mexicanum; porcelain blue flowers, constant bloomer. 25c each; \$2.50 per dozen.

Laseauxii—Very novel, rose or pink color, blooming throughout the season. 25c each; \$2.50 per dozen.

White Tom Thumb—Beautiful dwarf, (6 inches,) flowering profusely the entire season. 25c each; \$2.50 per dozen.

ALTERNANTHERA.

Latifolia—A broad leaved variety, beautifully marked with yellow, pink and bronze, like autumn leaves. Well adapted for baskets or bedding out. 25c each; \$2.00 per dozen.

AMPELOPSIS.

Veitchii—Pleasing little climber; in fall the leaves change to beautiful crimson carmine. Nice young plants 25c each; \$2.50 per dozen.

Arabis Alpina Variegata—Neat, dense, low-growing; beautiful for borders and baskets. 25c each; \$2.50 per dozen.

BOUVARDIAS.

Anrantiaca—Bright orange; **Delicata**—Flesh color; **Elegans**—Scarlet carmine; **Floribunda**—Orange scarlet; **Leiantha**—Dazzling scarlet; **Hogarth**—Rich scarlet; **Van Houtii**—Crimson. 20c each; \$2.00 per dozen; \$8.00 per hundred.

BROWALLIA.

Very handsome, profuse blooming, half hardy, annual.

Cerviakowskii—Blue with white center; beautiful.

Elata Alba—Pure white.

Elata Grandiflora—Large flower, sky blue.

15c each; \$1.50 per dozen; \$7 per 100.

CARNATIONS.

Monthly—Twelve varieties. 25c each; \$2.50 per dozen; \$15 per 100.

Hardy—Seedlings from named, double varieties, carefully selected; fine plants. 20c each; \$2 per dozen; \$8 per 100.

CERASTIUM TOMENTOSUM.

White foliage and flowers, small, narrow leaves, trailing habit. Suitable for baskets or stands. Will doubtless bed out well. 25c each; \$2.00 per dozen.

CISSUS DISCOLOR.

Beautiful climber for greenhouse or baskets. Leaves richly shaded, with brilliant markings. 25c each; \$2 per dozen; \$8 per 100.

CINERARIA ASPLENIFOLIA.

New, free, compact growing, white leaf plant, contrasts finely with *Coleus*, *Achyranthus*, &c., for bedding. 50c each; \$4.50 per dozen.

COBEA, SCANDENS ALBA.

White flowering variety of this well known, beautiful climber. Quite a novelty. 75c each.

DURANTA BAUMGARTII, VARIEGATA.

A beautifully variegated plant. Belongs to the *Solanums*. Dark green leaves with golden yellow band. 25c each; \$2.50 per dozen.

FIGS. Twelve Varieties.

Angelique; Brown Ischia; Brunswick; Brown Fig; Castle Kennedy; Early White; Hy. Shaw; Large Black; Lee's Perpetual; White Ischia; Florentine; White Versailles; young, stocky plants. 20c each; \$2 per dozen; \$12 per 100.

LAGERSTREMIA. (Crape Myrtle.)

New Crimson—Deep bright crimson, profuse bloomer. Strong plants. \$1 each. Fine. young plants, 35c each; \$3 per dozen.

New White—Splendid variety. Strong plants, \$1 each; young plants, 50c each.

LYCHNIS.

Flos Cuculi, Alba—Flowers pure white, 2 inches in diameter; blooms from June to October. Valuable for summer boquets. 30c each; \$3 per dozen.

Flos Cuculi, Rubra—Double red, constant and free bloomer; hardy. 25c each; \$2.50 per dozen.

LOBELIAS.

Neat, low growing, well adapted for edgings, baskets and small beds. 10c each; \$1 per dozen; \$5 per 100.

Alba—White.

Blue King—Blue, white center.

Compacta Alba—Pure white.

Gracilis—Pale blue.

Marmorata—Marbled, blue and white.

Paxtoniana—White, blue edge.

Rosea—Rose colored.

Speciosa—Deep blue; beautiful.

MIGNONETTE.

Grandiflora—New, large flowering variety. 15c each; \$1.50 per dozen.

MYOSOTIS. (Forget-me-not.)

Miss Eugenie—Beautiful, new variety; lilac blue, yellow center. 25c each; \$2.50 per dozen. The following sorts at 15c each; \$1.50 per dozen; \$8 per 100.

Alpestris—Blue.

Palustris—White and blue.

Azorica—Dark blue, fine.

Sylvatica—Old "true blue" variety.

MYRSIPHYLLUM ASPARAGOIDES. (Smilax.)

Unequaled in its grace and beauty, as a climbing or drooping plant, for baskets, wreaths, and trimming. 25c each; \$2.50 per dozen.

SCUTTELARIAS.

Very desirable greenhouse or parlor plants, blooming from October to March; flowers resemble the *Salvia*. **Mocelana**, scarlet crimson; **Purpurea**, purple; **Pulchella**, crimson. Price 35c each; \$3.00 per dozen.

STOCKS—TEN WEEK.

Well known universal favorite. The following are among the best: **Large Flowering Pyramidal**, **Semperflorens** or Perpetual, and **Royal Gem**. Price 15c each; \$1.50 per dozen; \$7.00 per hundred.

NEW VERBENAS.—1872.

The following new varieties have been selected from a large number of seedlings, for their pleasing and distinct colors, vigorous, healthy habit, and free blooming.—Price 25c each, \$2.50 per dozen. The whole set of 20 varieties for \$3.00.

Bloomington—Reddish pink, dark crimson eye.

Beauty—Fine white, splendid habit.

Carrie P.—Scarlet, large white eye.

Chatterbox—Bright pink, white eye, close habit.

Catherine—Deep purple, black eye, very fine.

Evangeline—Large, white tinted blush, fragrant.

Gregory—Light blue striped pink, peculiar and pretty.

Gullsboro—White, speckled and striped, purple center.

Hazel—Peculiar lavender blue.

Lucy—Pretty pink, deep crimson eye.

Mackinaw—Fine magenta, close habit.

Mrs. Jackman—Large scarlet, shaded crimson.

Miss Fanny—Similar to Boule de Neige, more vigorous, flowers finer.

Mayday—Light blush, with rich, large carmine center, very fragrant.

Normal—Splendid deep blue, fragrant.

Nonsuch—Large, beautiful light purple, white edged.

Regulator—Rich, deep scarlet, white eye.

Surprise (Baller's)—Velvet purple, distinct white eye.

Striker—Pure white, striped scarlet and carmine, not liable to sport.

Wooloo—Very distinct yellowish white.

NEW VERBENAS, (Henderson's Collection, 1872.)

Price 25c each, \$2.50 per dozen; the whole set of 30 varieties for \$4.50.

Ball of Flame, bright scarlet, yellow eye.
Beauty of Sherwood, the best scarlet we have seen.

Bedimah, dark maroon, white eye.

Bessie Lee, cherry color, yellow eye.

Bicolor, blush ground, violet eye.

Cerulea, large, fine blue.

Cicero, pink, white eye.

Conchiflora, shell-like pink, white eye.

Delight, lilac, violet center.

D'Israeli, purple, pink and white.

Eximia, maroon, white eye.

Grandeur, rich crimson, yellow eye.

London Pride, large, claret-colored, violet center.

Marengo, deep crimson, white center.

Mentor, large, purplish blue, white eye.

Maid of Athens, scarlet, rose center.

Mrs. E. Chellis, shaded lilac and white.

Miss Annie Massey,—violet, shading to white.

Miss Elizabeth, purplish crimson.

Plantagenet, scarlet shaded pink, extra large.

Pre-eminent, large, rosy salmon, white eye.

Sedan, large blood red.

Snowball, the finest white yet raised by us.

Speckled Gem, white, carmine, and crimson-striped.

Styrilla, dark velvet-like maroon.

Styx, violet crimson, yellow eye.

Symmetry, bright rose, perfect form.

Quadricolor, pink, violet, white, and crimson.

Village Maid, white, speckled scarlet.

Wonder, maroon and white.

NEW VERBENAS. (Vestal's Collection, 1872.)

Price, 25c each; \$2.50 per dozen; the whole set of 36 varieties for \$5.

Ascendency, rich crimson, white eye.

Ace of Trumps, crimson maroon, large yellow eye.

Aurea Variegata, red and white striped, fragrant.

Beatrice, cerise, pink shaded, with dark maroon eye, novel.

Benoni, maroon velvet shade.

Beauty's Bloom, dazzling scarlet, large white eye.

Blue Gem, rich deep blue, square white eye, healthy, robust habit, a fine bedding variety.

Brilliantissima, brilliant flame-colored scarlet, large, distinct white eye, large and fine truss, and free flowering habit, extra.

Bride of Abydos, pure white, light magenta eye.

Chance, rose, carmine, large light colored eye, large florets.

Clio, deep claret, distinct large light yellow eye, effective.

Day Dream, deep cherry crimson.

Delight, ground color, cochineal red, striped and flaked with crimson, novel.

Eclat, mauve, large white eye, free flowering habit, extra.

El Enchantido, vermillion, red white eye.

Exquisite, light lilac, mottled and striped with purple.

Favorite, dark crimson, large truss.

Figaro, white, splashed and striped with dark red.

Great Western, deep crimson, robust habit.

NEW VERBENAS,—Continued.

Hogarth, scarlet crimson, light orange eye, profuse blooming habit.

Imperialis, bright pink.

Lalla Rooke, darkest maroon, extra.

Ledla, dark cherry crimson.

Magnet, white striped and shaded with rose.

Model, flesh color, shaded with rose, fine truss.

Neatness, cochineal crimson, yellow eye.

Old Wayne, dazzling rose scarlet, large light orange eye, extra.

Orient, distinct carmine, self-color.

Omega, cherry crimson, dark centre.

All three sets complete, for \$10.

Queen of the West, magenta, yellow eye.

Rose d'Amour, beautiful rose, distinct white eye.

Sir Phillip, deep crimson, white eye, superb.

Silver Belt, pure white, large showy truss, strong, robust, healthy, free flowering habit, a showy bedding variety.

Sybil, crimson maroon, yellow eye.

Spangle, spangled and striped with dark crimson and rose carmine, novel.

Waverly, glowing salmon scarlet, white eye, fine habit.

Verbenas.—General assortment (most magnificent) first class plants. 100 \$4.
1000 \$35.

EUROPEAN LARCH.

	1,000.	10,000
Seedlings, 1 year, 2 to 4 inches,.....	\$ 3.00	\$25.00
“ “ 3 to 6 “	4.00	35.00
“ 2 years, 6 to 12 “	7.00	65.00
“ “ 12 to 18 “	10.00	95.00

TREE, SHRUB, HEDGE AND FRUIT SEEDS.

SPRING 1872.

All fresh, new, and in good condition.

EVERGREEN.

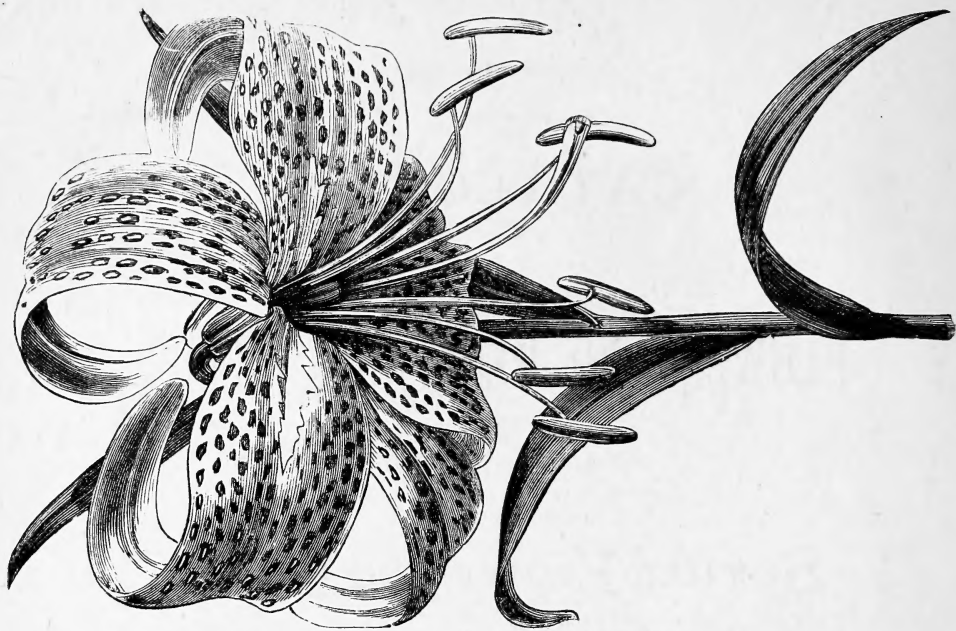
	per oz.	per lb.
Albies Alba —White Spruce, - - - -	\$0 50	\$6 00
do Canadensis —Hemlock Spruce, - - - -	50	5 00
do Excelsa —Norway Spruce, - - - -	20	1 50
Juniperus Communis —Juniper, - - - -	25	
Picea Balsamea —Balsam Fir, - - - -	25	3 00
do Frazerii —Frazer's or Double Balsam Flr, - - - -	50	
Pinus Cembra —Cembra Pine, - - - -	25	3 00
do Maritima —Mediterranean, or Cluster Pine, - - - -	25	
do Montana —Mountain Pine, - - - -	50	
do Austriaca —Austrian Pine, - - - -	25	2 50
do Pinea —Stone Pine, - - - -	25	
do Strobus —White Pine, - - - -	50	4 00
do Sylvestris —Scotch Pine, - - - -	25	2 50
Thuja Occidentalis —American Arborvitae, - - - -	50	5 00
do Orientalis —Chinese Arborvitae, - - - -	50	5 00

DECIDUOUS.

	per lb.	per bush.
Apple —(bushel 40 lbs.) new, fresh seed. - - - -	\$0 50	\$10 00
Osage Orange , (bushel 33 lbs.) warranted crop of 1871. - - - -	50	12 00
Peach Stones , frozen, per barrel \$4. - - - -	20	1 50
Pear Seed , extra, hand picked, fresh, 50 cents per ounce, - - - -	4 00	
Black Walnuts , - - - -	20	1 50
Calycanthus , per quart, \$1. - - - -		
	per oz.	per lb.
Catalpa , - - - -	30	
Black and Red Ash , - - - -	25	
Dogwood , - - - -	20	2 50
Larch —European, - - - -	25	2 50
Oaks —White and Red, acorns, - - - -		75
Honey Locust , 10 lbs. \$4. - - - -		50
Paulonia Imperialis , - - - -	50	
Red Bud —American, - - - -	20	2 50
White Birch , - - - -	25	



GEM PRAIRIE ROSE. (Page 105)



LILIUM RUBRUM. (Page 71.)



PANSIES. (Page 85.)

CATALOGUE

OF

FLOWER AND VEGETABLE SEEDS,

GLADIOLUS, LILIES,

AND

SUMMER FLOWERING BULBS,

WITH INSTRUCTIONS FOR THEIR CULTIVATION.

TO WHICH IS ADDED

Descriptive Catalogue of Plants,

INCLUDING MANY NEW AND CHOICE VARIETIES OF CARNATIONS, DAHLIAS,
CHRYSANTHEMUMS, FUCHSIAS, GERANIUMS, PETUNIAS, PHLOXES,
ROSES, VERBENAS, ETC., ETC.

VASE, GARDEN, AND BASKET PLANTS

PROPAGATED AND FOR SALE BY

F. K. PHOENIX,

BLOOMINGTON NURSERY, BLOOMINGTON, ILL.

PRINTED AT THE LAKESIDE PRESS, CHICAGO,
R. R. DONNELLEY, 103-107 CANAL STREET.
1872.

TO PURCHASERS.

REMEMBER, the Seed trade of a year has to be done in a few months, and in spite of the utmost precautions, errors will occasionally appear. When such do occur, you will please inform me of the fact, and corrections will be made immediately.

IT SAVES VALUABLE TIME to write briefly as possible, and your remarks separate from the order. You have no conception of the time it takes to pick out an order written possibly over four pages.

FREE BY MAIL.—I propose forwarding all Seeds free to my customers, at the prices named, when full amount is sent with the order. By this arrangement you are enabled to supply yourselves with Seeds true and genuine, avoiding those peddled from town to town on commission.

GIVE SPECIAL DIRECTIONS.—When quantities of Seeds are ordered too large to send by mail, please state by what conveyance they are to be forwarded, and to whom consigned. I will prepay express charges to any Railroad point reached by the United States and American Merchants Union Express Companies, in the States of Illinois, Wisconsin, Minnesota, Iowa, Missouri, Indiana, Ohio and Michigan. This does not include articles offered at net prices on second and third pages of cover. When no particular route is designated goods will be forwarded to the best of my judgment, and in this case no responsibility is assumed after leaving my office.

PLAIN DIRECTIONS.—Whatever else you do, do not neglect this. I can possibly make out the names of the Seeds, Bulbs and Trees, if badly written ; but your *Name, State, County, and Post Office*, write in good round text. I frequently receive letters containing money, with no name or address. To the writers expecting their orders filled, it is a disappointment ; to me a positive loss. Except in rare instances, no order is kept over the second day.

SEND YOUR MONEY by Post Office Order. These you can get at most post offices ; or by draft payable at Chicago, New York or St. Louis, or in greenbacks by express. If neither of the above means are available, place the amount in a letter, properly address it, and have it registered at the post office. Small amounts, \$2.00 or less, can be forwarded without registering.

DO NOT WRITE TO ASK if I have or can supply such an article, if catalogued ; but, if wanted, order it at once. In the early part of the season I can supply all the varieties named. As the season advances, some varieties will be sold out ; then, if not advised to the contrary, I shall supply others, but never with an inferior variety.

ONCE MORE.—Look, before sealing your letter, that your *Name, State, County, and Post Office* are legibly written. In cities, always give street and number, or number of P. O. box.

THE FLOWER-GARDEN ;

CONTAINING DIRECTIONS FOR THE CULTIVATION OF ANNUAL,
BIENNIAL, AND PERENNIAL FLOWER-SEEDS.

"Flowers," said Henry Ward Beecher, "are the sweetest things God ever made, and forgot to put a soul into." The love of Flowers is inherent in man. It is the seed of which love is the fruit, an element of true religion. Flowers have been aptly called the smiles of God.

The term "annual" is given to those plants which are sown in the spring, bloom and seed in the summer, and afterwards perish.

HARDY ANNUALS are so called because they do not require any artificial heat at any period of their growth, and are capable of enduring any ordinary weather from May to November. Many of them may be sown in the autumn ; and the young plants will make their appearance early in spring, and flower stronger than when the sowing is deferred till spring.

HALF-HARDY ANNUALS are those that require the aid of artificial heat to assist germination ; but this is not absolutely necessary if the sowing is deferred until the ground is warm,—say the last of May, or the 1st of June. But to gain time, and insure an early and abundant bloom, it is best to plant early, and assist the growth by a gentle artificial heat. Some of the most magnificent annuals are embraced in this class, of which the Asters, Zinnias, Stocks, Antirrhinums, and Balsams, are examples. The most convenient and the simplest mode of doing this is the ordinary hot-bed of stable manure, which gives a gentle bottom-heat, quite sufficient for any of this class. Its construction is simple, and generally understood by most owners of a garden.

BIENNIALS AND PERENNIALS.—Biennial and perennial plants are almost indispensable additions to the flower garden, displaying their blossoms early and late, succeeding and even flowering with the spring bulbs, and continuing long after the frost has destroyed the hardiest annuals. They are so easily cultivated, and require so little care, that they must be ranked as the most permanent and showy objects of the flower-border.

THE SOIL AND ITS PREPARATION.

The best soil for annuals, and for most flowering plants, whether biennials or perennials, is a light, rich loam. In such they grow readily, and attain to great perfection of bloom, with but little care. By the application of proper manures, or sand or clay, the soil can be brought to such a condition as to answer all the purposes of a flower-garden. Deep and thorough trenching in the autumn, if possible, and the application of old decayed manure or leaf-mould, will give a well prepared and suitable soil.

Where the soil is too light, a thin layer of clay, if to be had, should be spread over the surface in the autumn, and dug in, after being pulverized by the winter frosts, in the spring. This, with the use of thoroughly decayed manure, will keep the garden in good condition. No unvarying rules can be given; the soil of a good garden should be deep, well pulverized, friable and rich.

Our hints are intended for the mass of the people who love flowers, and do not wish to incur great expense in the gratification of their taste. To these we recommend, amongst other works published, Breck's "New Book of Flowers," Buist's "Flower-Garden Directory," Bridgeman's "Florists' Guide and Gardeners' Assistant," and Henderson's "Practical Floriculture."

PERIOD FOR SOWING.

This must depend much upon the season, as well as the locality. As a rule, the proper time to commence sowing is about the middle of April, though a few sorts may be planted as soon as the ground can be got ready; and, for a succession, the sowing should be continued until June. In the Southern States, of course, January, February or March will be the time to sow, as they correspond with April, May, and June of the North. To avoid all danger of injury, the sowing may be deferred till the last of April. Because we recommend April, it is not to be understood the sowing must be made at that time. If sown in any part of May they will flower later, but abundantly, throughout the latter part of summer.

It is the great error to cover too deep; and the cause of more than half of the complaints against seedmen of selling old and worthless seeds comes from inexperience or want of judgment in sowing. As a general guide, all large seeds, such as Sweet Peas, Lupins, etc., may be sown two inches deep. It is absolutely necessary, when sowing flower seeds, all thoughts of corn and potatoes should be dismissed from your mind. I have known the most delicate seed, fine as dust, planted *two inches* deep. Be sure "*it is up*,"—the plants wish to grow. Think for a moment; these fragile plants having to lift two inches of, it may be, wet sodded or possibly hard-baked soil, and then do not wonder the seed did not grow. There are no laws that change not, but as the nearest approach to perfection I would recommend the seed be sown eight times the depth of itself; avoid fancy rings, unless to please the children, but sow the seed level over the surface, covering as directed. Another advantage is to cover the seeds with the clipping from the lawn, it prevents the seed from drying, and the rains from washing it up. Neither sow too thick, as it causes a feeble growth, and poor, weakly, sickly flowers. Sow as careful as you will, they will in all probability come up too thick; if so, thin them out liberally; if varieties that will bear removal, plant them out in vacant places, and if more than you require, give some to *your poorer neighbors* having the taste but not the means. Another fault, too common, I would point out; tall flowers are often put in front, and dwarf ones behind; this is easily remedied; if you would divide your flower border into four parts, in width, and mark each packet before sowing, 1, 2, 3, 4. No. 1, of course, would be the dwarf, and No. 4 the tall, and the intervening numbers of intermediate height. The height of each variety is given in my Catalogue.

As soon as the seedlings have made three or four leaves, and are an inch high they should be thinned out. Tall-growing plants with spreading branches will require more room than slender-growing dwarf kinds. Stir the soil around the plants from time to time; and, if crowded, a second thinning will be of great benefit to those that remain. If the growth is not strong, from the nature of the soil, apply occasionally a very small amount of guano or bone-dust.

Transplanting should, if possible, always be done in cloudy weather, and towards evening. If the soil is dry, the plants will require watering to settle the earth around the roots; and, if warm, sunny days succeed the operation, they will root all the better to have shade for a day or two. All large-growing plants should be transplanted singly; but many of the smaller may be removed in patches, without any trouble. After the plants are established they will need no other care than to tie up the taller-growing sorts to stakes, to prevent the wind and rains from beating them down, and injuring their blossoms.

HOT - BEDS.

It seems almost superfluous to describe a hot-bed; yet there may be some to whom the information may be of service. Select a southeast aspect as preferable, taking out the soil to the depth of eighteen inches, the size you require, a few rough boards as a frame a foot or eighteen inches high, filling it up with stable manure, well shaken as it is placed in, cover with six inches of good mellow loam, or light soil, allowing it to stand two or three days, till the gross heat has passed away. Now sow your seeds as previously directed. As the seedlings appear above ground give air by tilting the sashes at the back; during cold nights a mat should be thrown over the frame to prevent the loss of heat—being as careful on bright, sunny days to shade the plants from the burning rays of the sun. A good preventive is to give the glass a slight coat of whitewash. As soon as the plants are large enough they may be transplanted in the open ground, but before doing so they should be well hardened off, and if you have a cold frame, similar to the hot-bed without the manure, and placed on the surface, it would be as well to plant them in this for a week or two, and by this seeming delay you would gain time.

A NURSERY.

As failures in some cases are unavoidable, it is advisable to have some few spare plants to supply any deficiency; this is easily done by making a small bed, and sowing a few seeds for this special purpose.

INDUCEMENTS FOR THE FORMATION OF CLUBS.

I offer the following inducements to purchasers in large quantities, or for the formation of clubs, by which a great saving may be effected. The seeds will be forwarded, *by mail, post-paid*, to any address in the United States, on receipt of the amount of the order.

Purchasers	remitting \$1.00	may select seeds, <i>in packets</i> ,	at Catalogue prices,	amounting to \$1.15	
“	“	2.00	“	“	2.25
“	“	3.00	“	“	3.50
“	“	4.00	“	“	4.75
“	“	5.00	“	“	6.00
“	“	10.00	“	“	12.50
“	“	20.00	“	“	26.00

No variation whatever will be made from the above rates.

I wish it distinctly understood by correspondents, that the above discount will be allowed only upon *flower and vegetable seeds in packets*. Seeds when ordered by the *ounce or pound, plants, roots, or bulbs*, will not be included.

COLLECTIONS OF FLOWER - SEEDS, POSTAGE PAID.

I have made up collections of flower - seeds, which I would recommend to those not well acquainted with the different varieties. They contain those only of easy culture, and brilliant, showy flowers. To beginners in the cultivation of flowers, these collections are confidently recommended.

In all cases I prefer the purchaser should make his own selections ; it will appear possibly tedious to do so ; once done, it will thereafter be a pleasure.

No.	o.	Collection of Annuals	\$.50
"	1.	"	1.00
"	2.	"	2.00
"	3.	" Biennials, and Perennials	3.00
"	4.	" " "	5.00
"	5.	Asters	1.00
"	6.	Balsams	1.00
"	7.	Dianthus	1.00
"	8.	Pansies	1.00
"	9.	Phlox Drummondii	1.00
"	10.	Ten week Stocks	1.00
"	11.	Everlasting Flowers	1.00
"	12.	Ornamental Grasses	50c. to 1.00

VEGETABLE SEEDS.

No.	1.	Collection for a large garden	\$20.00
"	2.	" " medium "	10.00
"	3.	" " small "	5.00



FLOWER SEEDS.

MAKE HOME BEAUTIFUL.

Make your home beautiful, bring to it flowers ;
 Plant them around you to bud and to bloom ;
 Let them give life to your loneliest hours,
 Let them bring light to enliven your gloom.
 Then shall it be when afar on life's billow,
 Wherever your tempest-tossed children are flung,
 They will long for the shades of the home-weeping willow,
 And sing the sweet song which their mother had sung.

ANNUALS.

ABRONIA. NAT. ORD. *Nyctaginiaceæ.*

PER PKT.
PRICE.

A charming trailing plant, about six inches high, with verbena-like heads of sweet-scented flowers. Very effective in beds, rock-work, or in baskets suspended in a conservatory ; growing freely in any light, rich soil, and flowering from August to October. This seed should be started in a hot-bed, or under a glass. Half-hardy annual.

ABRONIA UMBELLATA. Rosy lilac10

ADONIS. NAT. ORD., *Ranunculaceæ.*

The flowers are very brilliant, but small, and not numerous compared with amount of foliage and size of plant ; bloom for a long time, growing about one foot high. Set twelve inches apart. Hardy annual.

ADONIS ÆSTIVALIS. Summer ; scarlet05
 " AUTUMNALIS. Autumn ; blood-red05

AGERATUM. NAT. ORD., *Compositæ.*

Valuable hardy annuals for beds or borders, and exceedingly useful for cut flowers ; continue to flower the whole summer, and do well in almost any soil ; flowers small, in clusters. Good for winter flowers in the house.

AGERATUM MEXICANUM. Blue. 1 foot05
 " " NANUM. Blue ; dwarf. 6 inches05
 " " ALBIFLORUM NANUM. Very fine dwarf-
 white05
 " CELESTINUM (PHALACRÆA) TOM THUMB. Light
 blue ; of compact habit ; abundant bloomer ; fragrant. 1
 foot05

AGROSTEMMA. NAT. ORD., *Silenaceæ*.PER PCT.
PRICE.

Very pretty, free-blooming, hardy annuals, making a showy bed, and fine for cutting. Flowers like a pretty single pink, on long slender stems; about eighteen inches high. Transplant well, and should be set five or six inches apart.

AGROSTEMMA,	CÆLI ROSA. Fine deep rose-color.....	.05
"	ALBA. White.....	.10
"	DWARF. Beautifully fringed; rose, white centre.....	.15

ALYSSUM. NAT. ORD., *Cruciferae*.

One of the most useful, free flowering little plants, either for growing in pots, on rock work, or the open border; blooming nearly the whole summer; fragrant.

ALYSSUM SWEET.	Hardy annual; flowers small and white. 6 in.....	.05
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AMARANTHUS. NAT. ORD., *Amarantaceæ*.

Half-hardy annuals, growing about eighteen inches high, with finely colored foliage. Useful, in many situations, as a background of a flower border, or for making an ornamental hedge, or a bed on the lawn.

AMARANTHUS	BICOLOR. Crimson and green variegated foliage.....	.05
"	TRICOLOR. Red, yellow, and green foliage.....	.05
"	MELANCHOLICUS RUBER. Of compact habit; with striking blood-red foliage; grows readily from seed; easily transplanted.....	.01
"	ATROPURPUREUS. Of compact growth, easy culture, and will grow in any soil, of bushy habit, covered with numerous half drooping bright red flower spikes, a beautiful contrast with the reddish grey metallic, reflecting foliage..	.25

ANAGALLIS. NAT. ORD., *Primulaceæ*.

Very desirable for small beds, edgings, baskets, etc., growing about six inches high. When planted in a bed thickly, they cover the ground with a constant profusion of rich flowers. Half-hardy annuals.

ANAGALLIS	GRANDIFLORA, NAPOLEON III. Rich maroon color; new.....	.10
"	" EUGENIE. Fine, velvety, blue.....	.10
"	" GARIBALDI. Crimson; exceedingly beautiful.....	.15
"	" MEMORIA DELL ETNA. Bright red; fine.....	.15
"	" PARKSIL. Large rose.....	.10

ANTIRRHINUM (SNAPDRAGON). NAT. ORD., *Scrophulariaceæ*.

The snapdragon, or antirrhinum, is one of our most showy and useful border plants, growing from twelve to eighteen inches high; flowers of the most brilliant colors, with beautifully marked throats; will bloom the first season from seed, and are very effective in beds or mixed borders. Half-hardy perennials.

ANTIRRHINUM	MAJUS, TOM THUMB. A very handsome dwarf variety, of compact globular growth, with bright, vermilion-colored flowers.....	.05
"	" ALBUM. Pure white.....	.05
"	" BRILLIANT. Crimson and white.....	.05
"	" DELILA. Carmine, white throat.....	.05
"	" FIREFLY. Orange, scarlet and white.....	.05
"	" GALATHEA. Crimson, yellow, and white.....	.05
"	" PAPILIONACEUM. Bright scarlet and white. Splendid.....	.05
"	" OPHIR. Golden yellow.....	.05
"	Mixed.....	.05

ASTER. NAT. ORD., *Compositæ*.PER PKT
PRICE.

Notwithstanding the vast improvement of this fine class of Flora's favorites, every season is offering us fresh novelties. From the single flowers of past years, we have them now nearly as large as a Pæony, and as double as a Chrysanthemum, or Dahlia. For early bloom, sow in a hot-bed, or if not favored with one, sow in a box putting it on the sunny side of the house, and these will supply all you require for planting; for a succession, sow out of doors, and when large enough transplant, the dwarf varieties six inches apart, each way, the larger ones twelve inches. They like a good rich soil, and if a dry season a good mulching would be beneficial.

ASTER, TRUFFAUT'S PÆONY-FLOWERED PERFECTION. Very large, beautiful flowers; petals long, a little reflexed; one of the best. Twenty inches to two feet in height. Finest colors, mixed.	.15
" LA SUPERBE. A magnificent, large, bright rose-colored flower, often more than four inches in diameter, of the pæony-flowered class. Twenty inches in height.	.20
" NEW ROSE. A magnificent class, between <i>Truffaut's Perfection</i> and <i>Large-flowered Imbrique</i> . About two feet in height; very robust; with large flowers, and double at the centre; the outer petals finely imbricated, and of great substance. Mixed.	.15
" IMBRIQUE POMPON. A very perfect aster; almost a globe, and beautifully imbricated; eighteen inches. Finest, mixed.	.10
" COCARDEAU, OR NEW CROWN. A fine flower: very double; the central petals being of a very pure white, sometimes small and quilled, surrounded with large flat petals, of a bright color, as crimson, violet, scarlet, etc.; eighteen inches. Finest colors, mixed.	.10
" PÆONY-FLOWERED GLOBE. A very fine variety, and the earliest of the asters,—at least two weeks earlier than <i>Truffaut's Pæony-flowered</i> ; flowers very large; plant branching and strong, and does not require tying. Finest, mixed.	.10
" TALL PYRAMIDAL-FLOWERED GERMAN. Extra; late; branching, good habit; fine grower; needs no tying.	.10
" GIANT EMPEROR. Very large flowers, but not numerous. Mixed colors.	.15
" VICTORIA. Flowers as large as the <i>Emperor Aster</i> ; habit pyramidal; nearly two feet high; each plant bearing from twenty to forty flowers. Extra, mixed colors.	.20
" CHRYSANTHEMUM-FLOWERED DWARF. A most desirable class: growing only about one foot in height; with large, very perfect flowers; a free bloomer; later than other varieties, and desirable on this account, as well as for its great beauty. Mixed colors.	.10
" CHRYSANTHEMUM-FLOWERED DWARF, SNOWY-WHITE. This is a very superb snow-white variety; flowers very perfect.	.15
" BOLTZE'S NEW PYRAMID DWARF BOUQUET. A novelty; each plant looks like a little bouquet of flowers set in the ground. Fine for pots, edging, or filling small beds. Set plants five inches apart. A beautiful variety; many colors; mixed.	.20
" SHAKSPEARE. This new aster is said to be the finest of all the dwarfs, giving a hundred flowers to a plant. Flowers very double, of the brightest colors, and of a regular imbricated form. Useful for bedding, or conservatory decorations. Mixed colors.	.25
" DWARF IMBRICATED POMPON, GLOBE-FLOWERED. A compact bush, covered with globular flowers. Finest colors, mixed.	.15
" HEDGE-HOG OR NEEDLE. Petals long, quilled, and sharply-pointed; very curious and fine. Two feet. Colors mixed.	.10
" NEEDLE-PERFECTION. New Colors; very delicate. Finest mixed.	.25
" REID'S NEW GLOBE-QUILLED. This is the finest <i>quilled</i> aster grown. The plant is tall, and the flowers fine. Colors mixed.	.10
" MIXED GERMAN.	.10
" GOOD MIXED.	.05

ASPERULA. NAT. ORD., *Stellatæ.*Per Pkt.
Price.

ASPERULA AZUREA SETOSA. A profuse blooming hardy annual of dwarf, compact habit, and covered with clusters of very small, light blue, sweet-scented flowers.10

AUBERGINE (EGG-PLANT). NAT. ORD., *Solanaceæ.*

These varieties are not the eatable fruited kinds. The white and scarlet are sometimes grown in pots, and are very interesting, being covered in autumn with beautiful egg-shaped fruit. The scarlet variety is a great novelty. They succeed in any warm location. Half-hardy annuals.

AUBERGINE, WHITE-FRUITED. 1½ feet.05
 “ **SCARLET-FRUITED.** Very striking and handsome. 1½ feet.10

BALSAM (IMPATIENS). NAT. ORD., *Balsaminaceæ.*

One of the most popular, and the most beautiful of our half-hardy annuals; but a rich soil and good culture are needed to bring it to perfection. Sow in a frame, or in a sheltered bed in the garden, in the spring as soon as the weather is rather warm. Transplant as soon as the second leaves have made a little growth. Set the plants ten or twelve inches apart; and when the side branches appear, pinch off all but three or four, and pinch out the centre shoot. For conservatory or out-door planting, producing their gorgeous masses of brilliant-colored flowers in the greatest profusion. When grown in pots, and large specimens are desired, they should be shifted into ten or twelve-inch pots, using the richest and freest compost, and liberally supplying with manure-water. Tender annuals.

BALSAMS, CAMELLIA-FLOWERED. A most beautiful variety; blotched or spotted with white; very double colors, mixed. 2 feet.15
 “ **DOUBLE DWARF.** Very double mixed. 1 foot.15
 “ **IMPROVED ROSE-FLOWERED.** Finely imbricated; flowers, two inches in diameter; superb; mixed. 2 feet.15
 “ **ROSE-SPOTTED.** Very fine variety; mixed. 2 feet.15
 “ **CARNATION STRIPED DWARF ROSE.** Magnificent; mixed colors.15
 “ **SOLFERINO.** Striped and streaked with lilac and scarlet on satin-white ground; most beautiful; mixed.25
 “ **ATROSANGUINEA PLENISSIMA.** Deep blood-red; splendid.25
 “ **NEW VICTORIA.** Satin-white; punctated and spotted with cinnabar scarlet.25
 “ **Extra fine mixed.**10

BARTONIA. NAT. ORD., *Loasaceæ.*

A very showy half-hardy annual, with gray branches and thistle-like leaves; flowers, very brilliant yellow; will not bear transplanting very well; sow the seed where it is to bloom, thinning the plants out about six or eight inches apart.

BARTONIA AUREA.05

BRACHYCOME. NAT. ORD., *Compositæ.*

A beautiful free-flowering dwarf-growing plant covered, during the greater portion of the summer, with a profusion of pretty, cineraria-like flowers; very effective in edgings, small beds, or pot culture; succeeding in any light, rich soil. Half-hardy annuals

BRACHYCOME IBERIDIFOLIA (Swan-River Daisy). Blue.10
 “ **ALBIFLORA.** White.10

BROWALLIA. NAT. ORD., *Scrophulariaceæ.*

Very handsome, profuse-blooming plants; covered with rich, strikingly beautiful flowers during the summer and autumn months; growing freely in any rich

BLOOMINGTON NURSERY.

11
Per Pkt.
Price.

soil. Well adapted for bedding out or pot culture ; nine inches high. Half-hardy annual.

BROWALLIA CERVIKOWSKII.	Blue, with white centre ; beautiful.....	.10
“ ELATA ALBA.	White,.....	.10
“ “ GRANDIFLORA.	Sky-blue ; large flowered,.....	.10

CACALIA. NAT. ORD., *Compositæ*.

Half-hardy annuals, with small, tassel-like flowers ; exceedingly useful for cutting. Flowers in clusters, on slender stalks.

CACALIA COCCINEA.	Scarlet.....	.05
“ FLORE-LUTEO.	Yellow.....	.05

CALANDRINIA. NAT. ORD., *Portulacæ*.

Very beautiful dwarf-growing plants ; usually treated as tender annuals ; they are a blaze of beauty wherever the sun shines upon them. They succeed well in a light, rich soil.

CALANDRINIA GRANDIFLORA.	Fine, rosy lilac ; flowers very showy, and of easy culture. 1 foot,.....	.05
“ SPECIOSA.	Dark purple ; very showy. 4 inches.....	.05
“ “ ALBA.	White, free bloomer. 1 foot.....	.10
UMBELLATA.	Very dwarf, with bright crimson flowers in clusters. ½ foot,.....	.05
“	Varieties mixed,.....	.05

CALLIOPSIS, OR COREOPSIS. NAT. ORD., *Compositæ*.

This genus is amongst the most showy, free flowering, and beautiful of hardy annuals. The tall varieties are very effective in mixed borders and fronts of shrubberies ; and the dwarf kinds, from their close, compact habit of growth, make fine bedding plants. Hardy annuals.

CALLIOPSIS BICOLOR	TINCTORIA. Flowers, dark, crimson-brown centre with yellow rays. 2½ feet.....	.05
“ “	BURRIDGEII (Cosmidium Burridgeanum). Flowers of a rich crimson, bronze centre, distinct and beautiful.....	.05
“ “	MARMORATA (marbled). Brown and yellow, inclined to be shaded. 2½ feet.....	.05
“ “	ATROPURPUREA. Yellow centre, surrounded by a circle of dark purple. 2 feet.....	.05
“	CARDAMINIFOLIA HYBRIDA. Brilliant yellow ; compact and free-flowering plant. 1½ feet,.....	.05
“	CARDAMINIFOLIA HYBRIDA ATROSANGUINEA. Blood red ; flower very fine. 1½ feet,.....	.05
“	CORONATA. Rich yellow ; disk, encircled with crimson spots ; handsome. 1½ feet,.....	.05
“	DRUMMONDII. Yellow, with crimson centre ; fine 1½ feet.....	.05
“	NIGRA SPECIOSA. Rich, velvety crimson. 2 feet.....	.05
“	Variety of colors mixed,.....	.05

CALLIRHOE. NAT. ORD., *Malvaceæ*.

An elegant tribe of plants, strongly resembling the scarlet Linum ; height, from two to three feet ; commences to bloom when about six inches high, and presents a mass of flowers during the entire summer ; makes a splendid bedding plant, if sown thick. Hardy annuals.

CALLIRHOE INVOLUCRATA.	A trailing plant of great beauty. The flowers vary in color from bright rose to the deepest crimson. In size and color resemble the Portulaca.....	.10
“ PEDATA.	Color, rich violet purple, with white eye. 2 feet.....	.05
“ “ NANA.	A dwarf variety, growing about one foot high ; a very profuse bloomer.....	.05

CAMPANULA. NAT. ORD., *Campanulaceæ.*Per Pkt.
Price.

Exceedingly beautiful flowers, all of which are characterized by the richness of their colors and the profusion of their bloom. The dwarf varieties are the most valuable for bedding plants; while the whole genus is worthy of a prominent place in every garden. For other varieties, see Perennials.

CAMPANULA LOREII.	Purple lilac; extremely showy; hardy annual. 1 foot.....	.05
"	" ALBA. White, tinged with silvery gray; hardy annual. 1 foot.....	.05
"	Fine, mixed.....	.05

CANDYTUFT (IBERIS). NAT. ORD., *Cruciferaæ.*

One of the most useful border annuals, growing about one foot in height; very effective in beds, groups, ribbons, etc.; also very useful for pot culture, for conservatory decoration during winter. Hardy annuals.

IBERIS ODORATA (Fragrant Candytuft).	Pure white; fine.....	.05
" UMBELLATA.	Purple.....	.05
" DUNNETTII.	Dark crimson; very beautiful.....	.05
" CORONARIA (Rocket).	Pure white.....	.05
" ROSE.....		.05
"	Fine, mixed.....	.05

CANNA (INDIAN SHOT). NAT. ORD., *Marantaceæ.*

This stately species of plants is highly ornamental in flower gardens, producing a rich and oriental effect by their large, broad, massive foliage, and rich crimson and scarlet flowers. Though perennial, if sown early, they will make luxuriant growth, and bloom the first season. In late autumn, they should be carefully potted, and allowed to mature their bloom in the greenhouse or parlor, and afterwards preserved in a cool, dry cellar. In spring, again start them into growth, and replant them in the open air, last of May or first of June. Before sowing, soak the seed in water at 125°, for about 12 hours.

CANNA NIGRACANS.	This variety excels, in the rich tints of its stem and leaves, reminding us of the rich coloring of some of the <i>Dracænas</i> and <i>Marantas</i> . Its growth is rapid, its aspect stately, — entirely unique and distinct from any others.....	.25
" INDICA RUBRA.	Red. 2 feet.....	.10
" WARSZEWICZII.	Brilliant red; foliage striped new. 3 feet.....	.10
" COMPACTA ELEGANTISSIMA.	Large; reddish yellow; free flowering. 2 feet.....	.10
" SELLOWII.	Scarlet; profuse blooming; very fine.....	.10
" NEPALENSIS.	Superb yellow flowers.....	.10
"	Mixed varieties.....	.10

CATCHFLY (SILENE). NAT. ORD., *Caryophyllaceæ.*

A showy, free-flowering plant for beds, borders, or ribbons; succeeds in any garden soil. About eighteen inches high. Hardy annuals.

CATCHFLY LOBELS.	Red, white, or rose; separate or mixed.....	.05
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CELOSIA. NAT. ORD., *Amarantaceæ.*

Magnificent, free-flowering, graceful-growing plants; producing, in the greatest profusion, spikes of the most beautiful feathery-looking flowers. *C. argentea*, however, produces its flowers in spikes, like a *Gomphrena*, but much longer; and if gathered when young, they are valuable for winter bouquets. Plant out in June in a warm, sheltered situation; grown in pots, they are the most elegant of greenhouse, conservatory, or window plants, where they may be had in flower the whole winter; grow freely in rich, loamy soil; half hardy annuals.

CELOSIA ARGENTEA.	Silvery white, shaded with bright rose. 3 ft.....	.10
" ALBA.	White; very handsome flowers, in long graceful plumes.....	.25

CELOSIA AUREA PYRAMIDALIS.	Golden yellow ; exceedingly fine.	
“ 3 feet.....		.10
“ VERSICOLOR.	Carmine, changing to red ; violet-brownish foliage.....	.25
“ NEW CRIMSON-FEATHERED.	Fine in contrast. 3 ft.....	.10

CENTRANTHUS. NAT. ORD., *Valerianaceæ*.

A very pretty, free-flowering, compact-growing plant ; very effective in beds or ribbons ; grows freely in any common garden soil. Hardy annuals.

CENTRANTHUS MACROSIPHON (long-tubed).	Pale rose. 2 feet.....	.05
“ NANUS.	Dwarf. 1 foot.....	.05
“ “ ALBUS.	A pretty white flower. 1 foot.....	.05
“ CARNEUS.	Flesh colored. 2 feet.....	.05

CENTAUREA. NAT. ORD., *Compositæ*.

Very showy, free-flowering border plants ; about one foot in height ; succeeding in any common garden soil. Hardy annuals.

CENTAUREA, AMERICAN.	A large-growing species ; flower pink.....	.05
“ DEPRESSA.	Bright blue, with deep red centre.....	.05
“ “ ROSEA.	Rose, pink centre.....	.05
“ CYANUS (Bachelor's Button).	In great variety of colors ; of easiest culture.....	.05

CINERARIA. NAT. ORD., *Compositæ*.

CINERARIA MARITIMA. Yellow ; leaves large and silvery ; an ornamental foliaged plant, suitable for edgings ; it forms a fine contrast with *Perilla Nankinensis*. 1½ feet..... .10

CHRYSANTHEMUM. NAT. ORD., *Compositæ*.

The following are the tall, double-flowered, annual Chrysanthemums ; when well grown are amongst the most showy and effective of summer-flowering border-plants. The dwarf kinds make showy bedding-plants.

CHRYSANTHEMUM, TRICOLOR.	Yellow and white ; very showy. 1 foot.....	.05
“ BURRIDGEANUM.	Crimson, with white centre. 1 foot.....	.05
“ CARINATUM ATROCOCCINEUM.	Blooming in various shades, from light scarlet to dark blood-red. Hardy annual.....	.10
“ CARINATUM PURPUREUM.	Beautiful crimson and purple violet flowers.....	.05
“ TRICOLOR DUNNETTI FLORE PLENO.	The flowers are of snowy whiteness, perfectly double.....	.10
“ DUNNETTI.	New double, with flowers bright golden.....	.05
“	Mixed varieties.....	.05

CLARKIA. NAT. ORD., *Onagraceæ*.

A beautiful tribe of plants, with pretty, cheerful-looking flowers ; growing freely and blooming profusely under almost any circumstances ; they rank amongst the most effective of bedding plants. Some of the new varieties are very good for pots as well as the garden. Hardy annuals.

CLARKIA INTEGRIPETALA CARNEA, TOM THUMB.	A delicate, flesh-colored variety, with compact Tom Thumb habit.....	.10
“ ELEGANS.	Rosy purple. 1½ feet.....	.05
“ ROSEA PLENO.	A fine, double, rose-flowering variety. 1½ feet.....	.05

			Per Pkt Price.
CLARKIA	PULCHELLA	GRANDIFLORA. Deep rose. 1½ feet.....	.05
"	"	ALBA. Lovely annual, of a dwarf and compact habit.....	.05
"	"	FLORE PLENO. Rich magenta; flowers double. 1½ feet.....	.05
"	"	MARGINATA. Rosy crimson, edged with pure white. 1½ feet.....	.05
"	"	INTEGRIPETALA (whole petaled). Rosy crimson flowers; large and very handsome. 1½ feet.....	.05
"	Mixed.....		.05

CLINTONIA. NAT. ORD., *Lobeliaceæ*.

A very pretty little plant, of compact growth, with flowers resembling the *Lobelia*, and exceedingly beautiful; fine in rustic baskets, vases, boxes, or as an edging; succeeds best in a light rich soil. Half hardy annuals.

CLINTONIA	PULCHELLA, ATROPURPUREA	GRANDIFLORA. Light violet red, when opening, changing into a deep purplish red on fully expanding, charmingly contrasting with the large, bright eye.....	.20
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COCKSCOMB. NAT. ORD., *Amarantaceæ*.

Highly ornamental flowers; all the varieties are remarkably attractive, producing a fine effect when grown in pots and mixed with other plants, either on the stage of a greenhouse or planted out of doors. Twelve to eighteen inches high. Half-hardy annuals.

COCKSCOMB,	DWARF CRIMSON.....		.10
"	"	YELLOW.....	.10
"	NEW GIANT. Very large; brilliant rose-red.....		.10
"	Fine mixed varieties.....		.10

COLLINSIA. NAT. ORD., *Scrophulariaceæ*.

Dwarf California annuals of great beauty; remarkably attractive in beds or mixed borders. Hardy annuals.

COLLINSIA	BICOLOR. Purple and white; beautiful.....		.05
"	ALBA. White; a charming variety.....		.05
"	GRANDIFLORA. Blue, white, and lilac.....		.05
"	MULTICOLOR. Crimson, lilac and white.....		.05

CONVOLVULUS. NAT. ORD., *Convolvulaceæ*.

A beautiful, free-flowering, and showy class of plants, with exceedingly handsome, rich-colored flowers, producing an unusually brilliant effect, either in distinct colors or mixed beds. Dwarf, trailing, half-hardy annuals.

CONVOLVULUS	MINOR TRICOLOR. Rich violet purple, with white centre.....		.05
"	SPLENDENS. Rich violet; white centre.....		.05
"	STRIPED. Blue, beautifully striped with white.....		.05
"	ALBA. White; beautiful.....		.05
"	FLORE PLENO. A double variety.....		.10
"	TRICOLOR MONSTROSUS. Superb; large; dark purple.....		.05
"	SUBCÆRULEUS. Dove-color; very pretty.....		.10
"	MAURITANICUS. A beautiful creeper, with silvery foliage and lovely blue flowers; fine for hanging-baskets.....		.10
"	Mixed colors.....		.05

DAHLIA. NAT. ORD., *Compositæ*.

The seed is saved from my own extensive collection, perhaps the largest in America. If sown early they will bloom the same season.

DAHLIA. Extra fine; from prize flowers; mixed; half-hardy perennials....	.25
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DATURA. NAT. ORD., *Solanaceæ*.Per Pkt.
Price

A tribe of highly ornamental plants, producing large, sweet-scented, trumpet-shaped flowers of the most attractive character, and succeeding in any rich soil. The roots may be preserved through the winter in a dry cellar. Half-hardy annuals.

DATURA, WRIGHT'S.	A beautiful plant, producing flowers of extraordinary size, pure white at the centre, and passing imperceptibly to a lilac blue at the border. 2 to 3 feet.....	.10
" HUMILIS FLORE PLENO.	Double; yellow.....	.10
" HUMILIS CHLORANTHA.	A magnificent variety of deep golden-yellow flowers; very large, double, and sweet-scented. 2 feet.....	.15
" FASTUOSA ALBA.	Double; white. 2 feet.....	.10
" HUBERIANA.	The robust-growing stalk is of a deep purple; the flowers of a dark lilac; the inner sides of a clear white, with green throat; extra fine. 5 feet.....	.15

DIANTHUS. NAT. ORD., *Caryophyllaceæ*.

A magnificent genus, which embraces some of the most popular flowers in cultivation. The Chinese varieties may be considered the most beautiful and effective of our hardy annuals; the double and single varieties, with their rich and varied colors, in beds or masses, are remarkably attractive; while the recently-introduced species, *Dianthus Heddwigii* and *Dianthus Laciniatus*, with their large and rich-colored flowers, three to four inches in diameter, close, compact habit, and profusion of bloom, are unsurpassed for effectiveness in beds and mixed borders. They bear transplanting well. Set the plants according to varieties from six to twelve inches apart.

DIANTHUS CHINENSIS (Chinese Pink.)	Blooms the first year from seed. The colors, crimson and darker shades, approaching to black; mixed.....	.05
" " FL. PL.	Selected from finest double flowers....	.10
" " " ALBA.	Double white; very fine.....	.10
" " HEDDEWIGII.	The flowers are very large, of beautiful shape, and of a variety and brilliancy of colors unsurpassed. 1 foot.....	.15
" " HEDDEWIGII DIADEMATUS (DOUBLE DIADEM PINK.)	The flowers reach a diameter of two to three inches; very double, showing the finest colors—lilac, carmine, purple, even to the deepest brown. Flowers the first year from seed.....	.25
" " HEDDEWIGII GRANDIFLORUS ALBUS PLENUS.	Double white variety; of compact, dwarfish habit, resembling <i>Dianthus Heddwigii</i> fl. pl.....	.15
" " LACINIATUS.	The colors are pure white, various shades of red, carmine, violet, purple and rich maroon; all delicately cut or fringed.....	.10
" " FL. PL. LACINIATUS.	A double variety of the preceding.....	.25
" HYBRIDUS FL. PL.	Beautiful bushy habit, covered with flowers quite double, of many colors.....	.25
" LILACINA.	Excellent variety; keeps long in flower; of a lilac self color.....	.25
" RUBRA STRIATA.	Double red, striped with white. One and a half feet.....	.10
"	Fine mixed varieties.....	.10

ERYSIMUM. NAT. ORD., *Cruciferaæ*.

Showy, free-flowering, handsome, hardy annuals; very effective in beds, mixed borders or ribbons; height, eighteen inches. Hardy annuals.

		Per Pkt. Price.
ERYSIMUM	ARKANSANUM. Sulphur yellow ; very handsome.....	.05
"	BARBARIANUM VARIEGATUM. Yellow ; foliage prettily variegated,.....	.05
"	PEROFFSKIANUM. Orange ; very showy.....	.05

ESCHSCHOLTZIA. NAT. ORD., *Papaveraceæ*

Showy, hardy annuals, of different shades of yellow and creamy white ; difficult to transplant ; height, eighteen inches.

ESCHSCHOLTZIA	CALIFORNICA. Bright yellow, darker in centre. 1 foot	.05
"	CROCEA. Orange ; darker in centre.....	.05
"	" ALBA. White and fine.....	.05
"	" ROSEA. A splendid flower ; the upper portions of the flower are a pale white, the lower portion of the flower, is of a brilliant color, shading from rose pink to crimson lake ; this pretty annual will become a great favorite....	.10
"	" STRIATA. The color of this flower is alternate stripes of deep orange and sulphur.....	.10
"	TENUIFOLIA. Flowers small, pale yellow ; a miniature plant, six inches in height.....	.05
"	DENTATA SULPHUREA, AURANTIACA.....	.10
	These two varieties are of great curiosity and importance. The flowers take the form of a Maltese cross. The blossoms of these varieties are always open.	

EUTOCA. NAT. ORD., *Hydrophyllaceæ*.

Showy, free-flowering plants, suitable for beds or mixed borders ; very attractive ; height, 1 foot. Hardy annuals.

EUTOCA	ALBA STRIATA. White striped blue.....	.10
"	VISCIDA. Bright blue.....	.05
"	WRANGELIANA. Lilac ; very pretty. One-half foot.....	.05

EUPHORBIA. NAT. ORD., *Euphorbiaceæ*.

EUPHORBIA	VARIEGATA. A very pretty variegated-foliaged plant. Tender annual.....	.05
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FENZLIA. NAT. ORD., *Polemoniaceæ*.

A profuse-blooming plant, of dwarf growth ; very effective in small beds, or rustic baskets ; remains in flower the whole summer.

FENZLIA	DIANTHIFLORA. Rosy lilac ; crimson centre, with yellow anthers ; hardy annual. One and half feet.....	.25
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FEVERFEW (PYRETHRUM). NAT. ORD., *Compositæ*.

Handsome, free - flowering, highly ornamental plants, producing a fine effect in the mixed flower borders.

GOLDEN FEATHER.	Golden leaved bedding plant, retaining its ornamental character till late in the fall.....	.10
FEVERFEW, DOUBLE WHITE.	A beautiful bedding plant ; blooming all the season ; hardy. 1 foot.....	.10

FLOS ADONIS. NAT. ORD., *Ranunculaceæ*.

FLOS ADONIS.	Handsome foliage, with blood - red flowers ; very pretty ; hardy annual.....	.05
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GAURA. NAT. ORD., *Onagraceæ*.

An exceedingly handsome and free - flowering herbaceous plant ; continuing in bloom the whole summer ; succeeds best in sandy loam. Half - hardy annual.

GAURA	LINDHEIMERIA. White, with pink calyx. 2 feet.....	.10
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GAILLARDIA. NAT. ORD., *Compositæ*.Per Pkt.
Price.

Splendid bedding plants ; remarkable for the profusion, size and brilliancy of their flowers ; continuing in beauty during summer and autumn ; half-hardy annual ; height, 18 inches.

GAILLARDIA ALBA MARGINATA. White edged.....	.05
“ GRANDIFLORA HYBRIDA. Rich crimson and yellow..	.10
“ PICTA. Crimson and yellow.....	.05

GILIA. NAT. ORD., *Polemoniaceæ*.

A very pretty annual ; may be sown at any time, and will bloom in almost any situation. The flowers are disposed in panicles or clusters, and adapted for culture either in masses or detached patches. The three colored variety is the prettiest, and lasts the longest in bloom. Hardy annuals ; from nine to twelve inches high.

GILIA ACHILLÆFOLIA. Lilac.....	.05
“ “ ALBA. A very fine variety, with pure white flowers.....	.05
“ CAPITATA. Sky-blue.....	.05
“ LACINIATA. Distinct ; blooming in the corymbose form ; blue....	.10
“ TRICOLOR. Yellow eye, bordered by pale blue.....	.05
“ Mixed.....	.05

GODETIA. NAT. ORD., *Onagraceæ*.

All the varieties of Godetia are worth growing, and no garden can be said to be complete without them ; their profuseness of bloom and delicate tints of color have long made them universal favorites. Hardy annuals ; height, 18 inches.

GODETIA ALBA. Pure White.....	.05
“ LINDLEYANA. Peach lilac, carmine centre.....	.05
“ RUBICUNDA.....	.05
“ “ SPLENDENS. A very fine variety ; bright, rosy lilac.....	.05
“ ROSEA ALBA. White, blotched with carmine.....	.05
“ “ Tom Thumb. Pure white ; rich carmine centre.....	.10
“ THE BRIDE. Pure white, with a broad, brilliant crimson ring at base of corolla.....	.10
“ Fine mixed.....	.05

GYPSOPHILA. NAT. ORD., *Caryophyllaceæ*.

A pretty, free-flowering elegant little plant, best adapted for rustic rock-work and edgings ; succeeding in any garden-soil. Hardy annuals.

GYPSOPHILA ELEGANS. Small, starry, purple and white flowers. 1 foot.....	.05
“ MURALIS. Beautiful dwarf plant ; with small flowers, which completely cover the plant. ½ foot.....	.10

HELIANTHUS (SUNFLOWER). NAT. ORD., *Compositæ*.

Well-known showy plants, remarkable for their stately growth, and the brilliancy and size of their flowers. They are eminently adapted for large shrubbery borders, where they prove most effective. Hardy annuals.

HELIANTHUS ARGOPHYLLUS. Yellow ; double ; leaves, silky white. 5 feet.....	.05
“ CALIFORNICUS GRANDIFLORUS. Orange ; extra large, and double. 5 feet.....	.05
“ NANA FLORE PLENO. Double ; dwarf. 3 feet.....	.05
“ “ GREEN-CENTERED. Yellow ; very double ; a conspicuous green centre. 4 feet.....	.05
“ TEXANUS HYBRIDUS. Surpassing in beauty H. argophyllus. 10 to 12 feet.....	.05

HIBISCUS. NAT. ORD., *Malvaceæ*.Per Pkt.
Price.

One of the most beautiful and showy tribe of plants cultivated. They are all alike characterized by the size, and beautiful colors of their flowers; half-hardy annuals; plant from twelve to eighteen inches apart.

HIBISCUS AFRICANUS.	Cream color; rich brown centre.	1½ feet.....	.05
"	COCCINEA.	Scarlet. 2 feet.....	.15
"	THUNBERGII.	Flowers buff color. 2 feet.....	.10
"	IMMUTABILIS.	Scarlet. 3 feet.....	.10

HOLLYHOCK, CHINESE, (ALTHÆA SINENSIS). NAT. ORD., *Malvaceæ*.

A good hardy annual; flowers showy and double; about thirty inches in height; very much resembling the common holly-hock.

CHINESE HOLLYHOCK, SCARLET.	Very bright and showy.....	.05
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ICE-PLANT. NAT. ORD., *Ficoidiaceæ*.

A singular trailing plant, with thick, fleshy leaves, that have the appearance of being covered with crystals of ice; very ornamental for mixing with other plants in conservatory or flower-garden.

ICE-PLANT.	Half-hardy annual.....	.05
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JACOBÆA (SENECIO). NAT. ORD., *Compositæ*.

A useful and exceedingly showy class of gay-colored profuse-blooming plants, of easy culture, growing about one foot high; delights in a light rich soil. Hardy annual.

JACOBÆA, DOUBLE	DARK-CRIMSON	.....	.10	
“	“	DWARF-BLUE. Silvery-grayish blue	.....	.10
“	“	LILAC. Fine	.....	.10
“	“	MAGENTA-COLOR. Fine	.....	.10
“	“	WHITE	.....	.10
“	“	Fine mixed	.....	.10

KAULFUSSIA. NAT. ORD., *Compositæ*.

A beautiful dwarf annual, resembling an Aster, the ray florets of which curl curiously back after it has been expanded a short time. Half-hardy annual.

KAULFUSSIA AMELLOIDES.	Blue.....	.05
" " ATROVIOLOACEA.	Dark-purple flow- ers.....	.05
" " ALBA.	White.....	.10
" " ROSEA.	Rose with white centre.....	.05

LARKSPUR (DELPHINIUM). NAT. ORD., *Ranunculaceæ*.

One of the generally cultivated and ornamental genus of plants, combining unusual richness with an endless variety of colors, all of which are extremely beautiful and pleasing. The flowers are produced in the greatest profusion; and the plants, in beds, masses, or ribbons, are strikingly effective. Hardy annuals.

LARKSPUR, DWARF ROCKET.	Fine mixed; very double. 1 foot.....	.05
" HYACINTH-FLOWERED.	Finest mixed.....	.05
" DWARF STOCK-FLOWERED.	Very double.....	.05
" NEW MAUVE-COLOR.	Very fine.....	.05
" TRI-COLOR ELEGANS.	Beautifully striped.....	.05

LAVATERA. NAT. ORD., *Malvaceæ*.

Very showy, profuse-blooming, handsome plants; two feet in height, exceedingly effective when used as a background. Hardy annuals.

LAVATERA ROSEA.	Rose color; fine.....	.05
" ALBA.	White; fine.....	.05

LEPTOSIPHON. NAT. ORD., *Polemoniaceæ.*Per Pkt.
Price.

Hardy annuals, with small, beautiful flowers. If seed is sown in the autumn, they will flower early. They do not like our summer heat, and a shady situation they prefer.

LEPTOSIPHON	DANSIFLORUS. Flowers in clusters, purple.....	.05
"	AUREUS. Golden-yellow; dwarf; fine for edging.....	.05
"	ANDROSACEUS. Pure white and lilac; large; very fine.....	.05
"	HYBRIDUS. Splendid colors.....	.05
"	Varieties mixed.....	.05

LOVE LIES BLEEDING. NAT. ORD., *Amarantaceæ.*

Exceedingly graceful, free-flowering, ornamental plants; about two feet high; very effective in mixed borders. Where cut flowers are in demand for filling vases, they are very useful; succeed in any soil.

LOVE LIES BLEEDING.	Red.....	.05
"	Straw-colored.....	.05

LINUM. NAT. ORD., *Linaceæ.*

A genus of the most beautiful free-flowering plants; one of the handsomest most effective and showy bedding plants we have; it produces a profusion of beautiful, saucer-shaped flowers, of a rich scarlet-crimson, with crimson black centre. Half-hardy annual.

LINUM	GRANDIFLORUM COCCINEUM. Brilliant scarlet, with crimson centre. 1 foot.....	.10
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LOBELIA. NAT. ORD., *Lobeliaceæ.*

Lobelias are employed as universally in the general summer-garden as scarlet geraniums, for beds, of which they form a neat and effective edging. The varieties of *Lobelia gracilis* are the best adapted for pots, or suspended baskets, being of a drooping, graceful habit. The seeds of Lobelias, being very small, cover very slightly when sown.

LOBELIA	CARDINALIS (Cardinal-Flower). A native variety, with long spikes of brilliant scarlet flowers; one of the finest border perennials. 2 feet.....	.10
"	"	
"	QUEEN VICTORIA. Scarlet, with dark foliage; fine. Two feet.....	.25
"	BLUE KING. Light blue; centre, pure white; annual. $\frac{3}{4}$ foot.....	.10
"	COMPACTA ALBA. A profuse bloomer; flowers, pure white; annual. $\frac{1}{2}$ foot.....	.10
"	MARMORATA. Marbled, blue and white; half-hardy annual. $\frac{1}{2}$ foot.....	.10
"	SPECIOSA. Deep blue; extremely beautiful; half-hardy annual. $\frac{1}{2}$ foot.....	.10
"	PAXTONIANA. Pure white, with sky-blue belt; half-hardy annual. $\frac{1}{2}$ foot.....	.10
"	GRACILIS. Pale blue; pretty for masses or edging; half-hardy annual.....	.10
"	"	
"	ROSEA. Rosy lilac; flowers, large; half-hardy annual. $\frac{3}{4}$ foot.....	.10
"	"	
"	ERECTA. Compact; well adapted for pots; half-hardy annual. $\frac{1}{2}$ foot.....	.10
"	"	
"	CRYSTAL PALACE COMPACTA. Flowers large, produced in abundance. Are a fine ultramarine blue, an exceedingly striking color.....	.25

LUPINUS. NAT. ORD., *Leguminosæ.*

Splendid ornamental, beautiful, and free-flowering garden plants, with long graceful spikes of bloom; colors rich and varied. Many of the varieties are of stately robust growth, which makes them exceedingly valuable for mixed flower borders.

		Per Pkt. Price.
LUPINUS AFFINIS.	Blue, white, and purple; very pretty. 1½ feet.....	.05
"	ALBA COCCINEUS. Rosy red half-way of the spike; from thence to the apex pure white. Showy.....	.10
"	DUNNETTII ATROVIOLOCEA. A rich parti-colored variety; violet, brown, and yellow.....	.10
"	CRUICKSHANKII HYBRID. Blue, white, and yellow; fra- grant. 3 feet.....	.10
"	HARTWEGII. White, blue and rose; separate or mixed. 2 ft.	.05
"	HYBRIDUS INSIGNIS. Purple, white, and yellow. 2 feet....	.10
"	" SUPERBUS. Lilac, white, red, and yellow.....	.05
"	" ATROCOCCINEUS. Large, handsome spikes of bloom, color bright crimson, scarlet, with white tip.....	.10

MALOPE. NAT. ORD., *Malvaceæ*.

Very fine and showy hardy annuals, growing to the height of two feet; flowers single, and nearly as large as those of the Hollyhock. Very showy for a back ground.

MALOPE GRANDIFLORA.	Large crimson flowers.....	.05
"	" ALBA. Pure white.....	.05

MARVEL OF PERU (OR FOUR O'CLOCK). NAT. ORD., *Nyctaginiaceæ*.

A very picturesque plant, the diversified colors contrasting with its dark-green, glossy foliage, continues in bloom through the summer and autumn months; the roots may be preserved, like Dahlias, through the winter.

MARVEL OF PERU VARIEGATA.	Gold striped leaves.....	.10
"	" Splendid varieties mixed. 2 feet.....	.05

MARTYNIA (UNICORN PLANT). NAT. ORD., *Pedaliaceæ*.

Handsome tropical annual, remarkable for the size of its flower compared with its leaves; requires a light rich soil, and a warm situation. Tender annual.

MARTYNIA, FRAGRANS (sweet-scented).	Purple. 2 feet.....	.05
"	LUTEA, yellow.....	.10
"	CRANIOLARIA, white.....	.10

MARIGOLD. NAT. ORD., *Compositæ*.

Magnificent, free-flowering plants, with double flower of rich and beautiful colors, producing a splendid effect, whether planted in beds or borders. The African, the tallest, is the most striking. The dwarf French, used as a foreground to taller plants, is valuable. The new miniature French varieties make splendid compact edgings to beds or borders. Half-hardy annuals.

MARIGOLD, AFRICAN, LEMON.	2 feet.....	.05
"	" ORANGE. 2 feet.....	.05
"	FRENCH. Dwarf; beautifully striped. 1 foot.....	.05
"	NEW GOLDEN. A golden dwarf; very double and constant	.10
"	FRENCH. TALL. Striped. 1½ feet.....	.05
"	" " ORANGE. 1½ feet.....	.05
"	" NEW DWARF MINIATURE. Brown. 1½ ft.	.05
"	" " " Orange. 1½ ft.	.05
"	DUNNET'S NEW ORANGE. Extra fine.....	.10
"	RANUNCULUS. Orange; very double. 1 foot.....	.05
"	CAPE (<i>Calendula Pluvialis</i>). White and violet.....	.05
"	Tall Varieties mixed.....	.05
"	Dwarf " ".....	.05

MESEMBRYANTHEMUM. NAT. ORD., *Mesembryaceæ*.

Profuse-flowering, pretty dwarf-growing plants; strikingly effective in beds or vases, in warm, sunny situations; or indoor decoration, grown in pots or boxes; succeed best in a dry, loamy soil.

Per Pkt.
Price.

MESEMBRYANTHEMUM CAPITATUM.	Yellow	.05
"	TRICOLOR. Rose pink, with purple centre	.05
"	" ALBUM. Silvery white; purple centre	.10

MIMOSA (SENSITIVE PLANT). NAT. ORD., *Leguminosæ*.

Grown as a curiosity, being so sensitive that the leaves close up by being slightly touched.

MIMOSA PUDICA.	1 foot	.05
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MIGNONETTE. NAT. ORD., *Resedaceæ*.

A well-known, fragrant favorite. If well thinned out, the plants grow stronger and produce larger spikes of bloom. The seeds may be scattered about mixed flower borders, where it grows readily. Hardy annual.

MIGNONETTE	(<i>Reseda odorata</i>). The well-known sweet-scented variety. (25 c. per ounce.)	.05
"	GRANDIFLORA. Large-flowered variety	.05

MORNING GLORY. NAT. ORD., *Convolvulaceæ*.

MORNING GLORY.	The finest varieties mixed. 20 feet	.05
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MYOSOTIS (FORGET-ME-NOT). NAT. ORD., *Boraginaceæ*.

Favorite popular plants, producing their beautiful star-like flowers in great profusion. They grow freely in any soil; but a moist situation, near fountains or damp rockeries, are best suited to them; beautiful for pot culture.

MYOSOTIS ALPESTRIS.	Blue; 6 inches	.10
"	" White; 6 inches	.10
"	PALUSTRIS. White and Blue; 6 inches	.10
"	AZORICA. Dark blue; new; fine. 1 foot	.15
"	SYLVATICA. The true variety	.25

NEMESIA. NAT. ORD., *Scrophulariaceæ*.

Very pretty and profuse-blooming plants. Half-hardy annual.

NEMESIA FLORIBUNDA.	White and yellow; sweet-scented	.05
"	VERSCOLOR COMPACTA. Blue and white. 3 feet	.10
"	" ALBA. Pure white; ¾ foot	.10

NEMOPHILA. NAT. ORD., *Hydrophyllaceæ*.

These charming and useful dwarf-growing hardy annuals have a neat, compact uniform habit of growth, with shades and colors the most strikingly beautiful; arranged in any style which the fancy may suggest, the effect is pleasing and very striking. If sown in the fall, on any vacant flower border where you have neglected to plant your bulbs, you have a cheap and early bloom. Very pretty grown in pots in the house for winter bloom.

NEMOPHILA ATOMARIA.	White, with black spots	.05
"	" OCULATA. Celestial blue, blotched with black	.05
"	DISCOIDALIS. Rich velvety black, edged with white	.05
"	" ELEGANS. Maroon, bordered with white	.05
"	" MARMORATA. Marbled	.05
"	INSIGNIS GRANDIFLORA. Bright blue, with white centre	.05
"	" ALBA. Pure white	.05
"	" MARGINATA. Celestial blue, edged with white	.05
"	" STRIATA. Blue and white	.05
"	MACULATA GRANDIFLORA. The flowers are as large as a silver half-dollar; very showy	.10
"	All the varieties mixed	.05

NICOTIANA (TOBACCO PLANT). NAT. ORD., *Solanaceæ*. Per Pkt.
Price.

Strong-growing, fine-foliaged plants. Very effective for large borders. Tender annual.

NICOTIANA MACROPHYLLA GIGANTEA. Leaves much larger than any other variety; stems crowned with bunches, or corymbs, of large purple flowers; shows to great advantage on the lawn, either scattered or in groups. 8 to 10 feet.10

NIGELLA (LOVE-IN-A-MIST). NAT. ORD., *Ranunculaceæ*.

Very compact-growing, free-flowering plants, with curious-looking flower and seed-pods; grows freely in any garden soil. Hardy annuals.

NIGELLA DAMASCENA. Blue; fine05
 " " NANA. Flowers blue and white; double.05
 " HISPANICA. Blue; very showy05
 " " ALBA. Pure white05

NOLANA. NAT. ORD., *Nolanaceæ*.

Very pretty trailing plants, after the character of the *Convolvulus minor*; fine for hanging baskets, old stumps, etc., succeeds best in a light rich soil. Hardy annuals.

NOLANA ATRIPLICIFOLIA. Blue, violet, and yellow05
 " " ALBA. White; yellow centre05
 " " SUBCERULEA. Flowers, mauve-colored05
 " PROSTRATA. Fine blue, streaked with black05

OBELISCARIA. NAT. ORD., *Compositæ*.

Bold, showy plants, with rich-colored flowers and curious, acorn-like centres; succeeds in any common garden soil.

OBELISCARIA PULCHERRIMA. Rich velvety crimson, edged and tipped with yellow; hardy annual. $\frac{1}{2}$ foot05
 " AURANTIACA. Yellow. 2 feet10

CENOTHERA. NAT. ORD., *Onagraceæ*.

A magnificent genus; one of the most useful and beautiful, either for beds or borders. All the varieties are free-flowering.

CENOTHERA ACAULIS. A large-flowered variety, with silvery-white blossoms05
 " BISTORTA VEITCHII GRANDIFLORA. Pure yellow; crimson-spotted; half-hardy. 1 foot05
 " ODORATA. Sweet-scented yellow flowers. 1 foot05
 " ROSEA. Small rose-colored flowers. 1 foot05
 " DRUMMONDII NANA ALBA. Beautiful pearly-white blossoms; exceedingly fine10
 " GRANDIFLORA LAMARCKIANA. Bright yellow; flowers, three to four inches in diameter, and produced in the greatest profusion. 3 feet05

OXALIS. NAT. ORD., *Oxalidaceæ*.

A splendid class of dwarf plants, with brilliantly-colored flowers, and dark foliage; suitable either for rock-work, rustic baskets, or edgings. Hardy annuals.

OXALIS ROSEA. Rose-colored; blooms abundantly10
 " TROPÆOLOIDES. Deep yellow; brown leaves10
 " VALDIVIANA. Flowers bright yellow, fragrant10

PANSY, (HEARTSEASE, OR VIOLA TRICOLOR). NAT. ORD., *Violaceæ*. Per Pkt. Price.

The Pansy, or Heartsease, is a general favorite. The flowers are in the greatest perfection in May and June; the burning sun of summer is unfavorable for their greatest beauty, but in autumn they are fine again. The Pansy can be perpetuated by cuttings or division of the roots. Seeds sown in August, in the open borders, will come up readily. As soon as they expand the second set of leaves, they should be planted out into beds; if planted in the spring, they should not be allowed to flower until late in the fall. They require to be covered during the winter with evergreen boughs or cold frame.

PANSY.	Large-flowering stained variety.....	.25
"	GOLDEN YELLOW.....	.20
"	LIGHT BLUE.....	.20
"	BRONZE-COLORED.....	.20
"	ROSE-MARBLED.....	.20
"	VIOLET. White margined.....	.20
"	PURPLE. White margined.....	.20
"	KING OF THE BLACKS. Flowers black.....	.20
"	WHITE. Very fine.....	.20
"	CLIVEDON VARIETIES. Blue, purple, yellow, black and mag- pie colors, separate, or mixed.....	.25
"	FRENCH AND BELGIAN VARIETIES, mixed.....	.20
"	SUPERB MIXED.....	.20
"	CHOICE MIXED.....	.10

PERILLA. NAT. ORD., *Libatæ*.

Its habit of growth is neat and shrubby, whilst the foliage is a deep mulberry or blackish purple, and forms a fine contrast to the silvery foliage of *Cineraria Maritima*, or the lively green of other plants. Half-hardy annual.

PERILLA	NANKINENSIS. Leaves, a deep mulberry or purplish black. 2 feet.....	.05
"	NANKINENSIS, FOL VARIEGATA. Foliage variegated and striped with brilliant rosy carmine.....	.15

PETUNIA. NAT. ORD., *Solanaceæ*.

A highly-ornamental and easily-cultivated garden favorite; one of those popular flowers paying a large per centage for a small outlay; "Not in dollars perhaps but in beauty." The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable. Seeds sown in spring make fine bedding plants for summer and autumn display; succeeds in any rich soil.

PETUNIA,	DUNNET'S NEW HYBRID. Striped and blotched; extra fine.....	.20
"	INIMITABLE. Red-margined and blotched with pure white; fine.....	.20
"	COUNTESS OF ELLSMERE. Deep rose, with white throat.....	.10
"	FLORE PLENO. These are sure to produce a large per cent- age of double flowers.....	.25
"	GRANDIFLORA ALBA. White; fine.....	.10
"	" PURPUREA. Purplish red, with centre purple-veined.....	.10
"	" ROSEA. Rose-colored.....	.10
"	" STRIATA. Fine-striped.....	.10
"	" My own saving, from the above choice varie- ties, mixed.....	.10
"	" GOOD MIXED.....	.05

PHACELIA. NAT. ORD., *Hydrophyllaceæ*.

Curious plants; flowers in one side fascicles, resembling *Heliotrope*. Hardy annuals.

		Per Pkt. Price.
PHACELIA CONGESTA.	Azure blue. 2 feet .....	.05
"	TANACETIFOLIA. Lilac. 2 feet .....	.05
"	ALBA. White .....	.05

PHLOX DRUMMONDII. NAT. ORD., *Polemoniaceæ*.

These flowers are of extreme beauty; their long duration in bloom, and their almost unequalled richness of color, render them invaluable in the general flower garden; a finer sight than a bed of Phlox Drummondii is scarcely to be seen; the mixed is in great variety, and strongly recommended. Half-hardy annuals.

PHLOX DRUMMONDII	ALBA.	Pure white.....	.10
"	"	" OCULATA. Pure white, with purple eye.....	.10
"	"	MARMORATA. Marbled.....	.10
"	"	LEOPOLDII. Purple; white eye.....	.10
"	"	QUEEN VICTORIA. Violet; white eye.....	.10
"	"	COCCINEA. Pure deep scarlet.....	.10
"	"	RADOWITSKY. Deep rose, striped with white.....	.10
"	"	VARIABILIS. Slate - blue, marbled.....	.10
"	"	CHAMOIS ROSE. Very delicate.....	.15
"	"	BLACK WARRIOR. Dark crimson.....	.10
"	"	PRINCE OF WALES. New color, changing from dark purple to lilac.....	.10
"	"	PRINCESS ROYAL. Dark lilac, striped with white.....	.10
"	"	WILLIAM I. Crimson, striped with white.....	.10
"	"	EUGENIE. Variegated.....	.10
"	"	ISABELLINA. Yellow; delicate shade.....	.15
"	"	Splendid varieties mixed.....	.10
"	PERENNIAL MIXED.	My own saving, carefully selected from the most distinct varieties.....	.10

PORTULACA. NAT. ORD., *Portulacææ*.

For brilliant, beautiful, and delicate colors, this charming genus stands unrivaled; and, whether in baskets, beds, edgings, or rock-work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeeds best in light, gravelly soils. Half-hardy annuals. Growing about six inches.

PORTULACA	SPLENDENS.	Rich crimson showy.....	.05
"	THELLUSONII.	Splendid scarlet.....	.05
"	AUREA.	Yellow.....	.05
"	ALBA.	A pure white; fine.....	.05
"	THORBURNII.	Deep orange.....	.05
"	ROSEA.	Fine rose.....	.05
"	CARYOPHYLLOIDES.	Carnation - striped; white and crimson; superb.....	.05
"	AURANTIACA.	Bright orange.....	.05
"		Fine mixed.....	.05
"	GRANDIFLORA FL. PL.	(Double - flowering portulaca). Of the most brilliant colors, of scarlet, crimson, white, buff, variegated and yellow, of various shades; resembling roses in appearance.....	.25

POPPY. NAT. ORD., *Papaveracææ*.

"Oh, it's only a Poppy." Not to be discarded for that reason; grow them once, and you will ever after have a bed of them in your garden. Remarkably showy, free-flowering plants, producing a rich and effective display in large mixed borders; grows freely in any soil. Hardy annuals.

POPPY, CARNATION (PAPAVER SOMNIFERUM).	Finest mixed; double. 2 feet.....	.05
"	FRENCH. Finest dwarf mixed; double. 1 foot.....	.05
"	PÆONY-FLOWERED. Fine mixed; double.....	.05
"	RANUNCULUS. Double; mixed.....	.05

PRINCE'S FEATHER. NAT. ORD., *Amarantaceæ*.Per Pkt.
Price.

Ornamental plants, with elegant plumes of rich-colored flowers; succeeds well in any good garden-soil. Hardy annuals.

PRINCE'S FEATHER (AMARANTHUS). Large-flowered; crimson. 2 ft... .05

RICINUS (CASTOR-OIL BEAN). NAT. ORD., *Euphorbiaceæ*.

The picturesque foliage and stately growth of the new varieties, impart to plantations, shrubberies, and mixed-flower borders quite an oriental aspect. Planted out and grown as single specimens, on lawns and pleasure grounds, they form a new and striking feature. Half-hardy annuals.

RICINUS AFRICANUS HYBRIDUS. Rose-colored hybrid; handsome
7 feet..... .10
" GIGANTEUS. Plant and leaves of enormous size. 12 feet..... .10
" MAJOR (CASTOR-OIL BEAN). Very ornamental foliage. 6 to 8
feet..... .05
" SANGUINEUS. A very stately-growing plant, with large and
highly ornamental foliage with clusters of red
fruit. 6 feet..... .10
" " TRICOLOR. Stems and leaves colored green,
brown and red. 7 feet..... .10
" OBERMANNII. Deep red; fine. 8 feet..... .10

ROSE, AFRICAN. (PAPAVR RHÆAS). NAT. ORD., *Papaveraceæ*.

A beautiful annual, of the easiest culture, sporting in a thousand different varieties of scarlet, crimson, purple, pink, white, and variegated.

ROSE, AFRICAN, Mixed. 1½ feet..... .05

SALPIGLOSSIS. NAT. ORD., *Scrophulariaceæ*.

The Salpiglossis are beautiful annuals, about 18 inches high, with picturesque and richly-colored, erect-lobed, funnel-shaped blossoms; colors, beautifully marbled,—purple, scarlet, crimson, clear yellow and buff, with elegant shades of blue. Half-hardy annual.

SALPIGLOSSIS COCCINEA. Splendid scarlet..... .10
" AZUREA GRANDIFLORA. Large; blue..... .10
" PURPUREA. Purple..... .10
" SULPHUREA. Yellow..... .10
" ATROCOCCINEA. Dark scarlet, beautifully spotted..... .10
" VARIABILIS. Splendid; very large flowers..... .10
" ATROSANGUINEA. Blood red..... .10
" Mixed colors..... .10

SALVIA. NAT. ORD., *Labiataæ*.

Strikingly ornamental plants for conservatory and out-door decoration; growing freely, and producing a magnificent effect in beds, with their beautiful spikes of bloom; are produced in the greatest profusion. Seed sown in the open ground too often results in failure; it is best to start it in gentle heat, and not plant out till the weather is warm. They all bloom the first season from seed. Half-hardy annual.

SALVIA BICOLOR. Blue and white; long spikes; very beautiful; hardy.
3 feet,..... .10
" COCCINEA SPLENDENS. A fine scarlet variety. 2 feet..... .10
" ROMERIANA. Deep crimson; fine. 2 feet..... .10
" PATENS. Splendid; deep blue; half-hardy. 2 feet..... .10
" COMPACTA SPLENDENS. Bright scarlet flowers; most beauti-
ful. 1½ feet..... .15

SAPONARIA. NAT. ORD., *Caryophyllaceæ*.Per Pkt.
Price.

One of the best-blooming of all dwarf annuals, producing masses of minute cross-shaped blossoms ; useful plants for beds, edgings and spring gardens.

SAPONARIA CALABRICA.	Rich deep pink.....	.10
"	ALBA. Pure white.....	.10
"	OCYMOIDES. Rose pink hardy.....	.10

SANVITALIA. NAT. ORD., *Compositæ*.

SANVITALIA PROCUMBENS FLORE PLENO.	The mass of larger flowers stand so closely together that a bed or border of it is a conspicuous object. As a bedding plant it is valuable.....	.10
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SCABIOUS (MOURNING BRIDE). NAT. ORD., *Dipsacæ*.

A hardy ornamental plant. Seed sown early will produce flowers from July to October. There is a great variety in the flowers ; some are almost black, others a dark puce-purple, and various shades down to lilac. Hardy annuals.

SCABIOSA ATROPURPUREA.	A mixture of the finest dark color. 2 feet.....	.05
"	CANDIDISSIMA. Pure white ; very desirable. 1 foot.....	.05
"	DWARF. Scarlet ; very fine. 1 foot.....	.05
"	CARMINE, DWARF.....	.05
"	STARRY. Creamy white.....	.05
"	Varieties mixed.....	.05

SCHIZANTHUS. NAT. ORD., *Scrophulariaceæ*.

Elegant annuals, with very conspicuous cut petalled flowers of white, lilac, purple, and rich red, orange, and violet-crimson spots and marks ; adapted for garden or pot culture. For winter flowering, they should be sown in August, and grown in pots. Half-hardy annuals.

SCHIZANTHUS OCULATUS ATROPURPUREUS.	Rich crimson purple, with black eye.....	.05
"	GRANDIFLORUS ALBUS. Large pure white bloom, with sulphur eye.....	.05
"	OCULATUS. Various shades ; fine blue centre.....	.05
"	PINNATUS. Rose and purple ; very pretty.....	.05
"	RETUSUS. Scarlet, rose, and orange ; very fine.....	.05
"	" ALBUM. White and yellow.....	.05
"	GRAHAMI. Red and orange.....	.05
"	Mixed.....	.05

SHIZOPETALUM. NAT. ORD., *Cruciferae*.

An interesting plant with prettily-fringed flowers, emitting a delicious perfume ; should be grown in masses in mixed flower borders. Hardy annuals.

SCHIZOPETALUM WALKEREII.	White. ½ foot.....	.10
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SILENE, or CATCHFLY. NAT. ORD., *Caryophyllaceæ*.

One of the brightest ornaments of the flower garden in respect to brilliancy of color ; fine for beds, borders or ribbons. Hardy annuals.

SILENE PENDULA ALBA.	Flowers pure white ; very free bloomer.....	.05
"	" RUBERIMA. Flowers, bright carmine rose.....	.05
"	ORIENTALIS. Bright-rose flowers. 2 feet.....	.05

STOCKS, 10 WEEK (MATHIOLA ANNUA). NAT. ORD., *Cruciferae*.

The Stock Gilliflower is one of the most popular and beautiful of our garden favorites ; and for bedding, massing, or ribboning, it is unsurpassed for brilliancy and diversity of color, or profusion and duration of bloom. These,

on account of the very great proportion (viz., two-thirds) which may be depended upon to flower double, are now extensively used for bedding, massing and grouping; few plants, indeed, in such positions, produce so brilliant a display, and are so universally admired. The Stock bears transplanting well; and seeds may be sown in the hot-bed or cold-frame, or in the open ground in May or June. The seed is saved from pot-plants from the most careful grower in Germany. Make the soil deep and rich. Set the plants about eight or ten inches apart. Half-hardy annuals.

STOCKS, DWARF GERMAN. Mixed .....	.10
" NEW LARGE-FLOWERING PYRAMIDAL. Finest mixed ..	.20
" MINIATURE. Finest mixed .....	.15
" SEMPERFLORENS, OR PERPETUAL. Finest mixed .....	.15
" HYBRID. In foliage, between the Wallflower and rough leaves. Finest mixed .....	.20
" NEW DWARF ROBUST. Finest mixed .....	.25
" GIANT, OR TREE. Flowers, very large, — one - and - a - half to two inches in diameter; height of plants, two and one - half feet. Finest mixed colors .....	.25
" ROYAL GEM. Rich dark crimson; very double .....	.25
" WALLFLOWER LEAVED. Finest mixed .....	.20
" MATHIOLA BICORNIS. Annual sweet-scented stock, as frag- rant as mignonette. Rosy-lilac flower .....	.15

SULTAN. NAT. ORD., *Compositæ*.

Handsome border annual, of easy culture; with large, fragrant flowers; blooming from July to September; fine for bouquets.

SULTAN SWEET. White, purple and yellow. 2 feet05
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SUNFLOWER. NAT. ORD., *Compositæ*.

SUNFLOWER. NEW MAMMOTH RUSSIAN. A very valuable plant is the Mammoth Sunflower. From 100 pounds of seed 40 pounds of oil has been produced. Very useful for burning or domestic purposes; after the oil is extracted, the residuum of the seeds can be pressed into oil-cake, and made available for fattening hogs. In India it has been used, and very successfully, as a substitute for coffee. In this country it is very useful, if sown in quantities in swampy districts, freeing the atmosphere from the animal and vegetable germ supposed to contain the miasma so productive of Fever and Ague. It is not particular to soil; it can be sown broadcast, or in drills as Indian corn. Apart from the above useful purposes, it is an excellent food for poultry. To bring it into more general cultivation, I offer it at a very low price for the quantities named: Per lb., 50c; per oz., 10c; 10 lbs., \$4.50.

TAGETES. NAT. ORD., *Compositæ*.

Free-flowering plants, with pretty foliage; very effective in mixed borders. Half-hardy annuals.

TAGETES SIGNATA PUMILA. An elegant new dwarf variety, completely covered with flowers, and continuing in bloom until frost sets in; plants should stand at least two - and - a - half feet apart .....	.10
" SIGNATA. Orange, streaked with brown. 2 feet .....	.10

TROPÆOLUM. NAT. ORD., *Tropæolaceæ*.

A very splendid class of half-hardy annuals, generally known as the NAS-TURTION. The foliage of most varieties is light green, clear, and beautiful; flowers large, of all the different shades of yellow, orange, and red, and very

				Per Pkt. Price.
brilliant. <i>T. minus</i> and its varieties are dwarf, round-headed plants, about a foot high, and make fine showy beds.				
TROPEOLUM MINUS.	Dark crimson	-----		.10
"	"	TOM THUMB CRYSTAL-PALACE GEM,		
"	"	Sulphur, spotted with maroon		.10
"	"	SPOTTED. Yellow, spotted		
"	"	with crimson		.10
"	"	BEAUTY. Orange and ver-		
"	"	million		.10
"	"	YELLOW		.10
"	"	SCARLET		.10
"	"	PEARL. Creamy white		.10
"	"	KING OF TOM THUMBS. Foliage, dark		
"	"	blueish green; flowers, brilliant scarlet, making		
"	"	a blaze of brilliancy		.15
"	"	KING OF TOM THUMBS. New Golden		.20
"	"	KING THEODORE. The flowers almost black		.15
"	"	Mixed varieties		.10

VERONICA. NAT. ORD., *Scrophulariaceæ*.

Dwarf, hardy annuals, and very charming; fine for ornamental work, as baskets, rock-work, etc. They are excellent for small beds or masses.

VERONICA SYRIACA.	Bright blue	-----	.10
"	"	FLORE - ALBA. White	.10

VERBENA. NAT. ORD., *Verbenaceæ*.

Well-known and universally popular bedding-plants. May be treated as half-hardy annuals. Seeds should be sown under glass, if possible, early in the spring. Plants grown from seed are more healthy and vigorous than those grown from cuttings. The seed is my own saving, carefully selected from the choicest flowers and free bloomers.

VERBENA, ITALIAN, STRIPED.	Brilliant colors, carnation-like, striped		
"	with rose, lilac, purple, on various-colored grounds	-----	.25
"	COCCINEA.	From most brilliant scarlet flowers	.25
"	Extra fine named sorts, mixed	-----	.20
"	Choice mixed	-----	.10

VIOLA. NAT. ORD., *Violaceæ*.

VIOLA ODORATA (SWEET - SCENTED VIOLET)	.....	.10
“ CORNUTA, MAUVE QUEEN	.....	.10
“ “ PURPLE QUEEN	.....	.10
“ LUTEA. Bright yellow	.....	.25

VIRGINIAN STOCK (MALCOMIA MARITIMA). NAT. ORD., *Cruciferaæ*.

Free-flowering, hardy annuals; fine for edgings; sow where they are to bloom. Should be grown in masses, a number of plants together. Six inches in height.

VIRGINIAN STOCK.	Red, white, new rose, and mixed colors	-----	.05
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WHITLAVIA. NAT. ORD., *Hydrophyllaceæ*.

A very handsome, free-flowering plant, suitable for beds and borders; of delicate foliage, and beautiful bell shaped flowers. Hardy annuals.

WHITLAVIA GRANDIFLORA.	Violet-blue. 1 foot	-----	.05
"	GLOXINOIDES. Gloxinia-like blossoms, tube of the corolla		
"	pure white	-----	.10
"	GRANDIFLORA ALBA, Pure white in color	-----	.05

ZINNIA. NAT. ORD., *Compositæ*.Per Pkt.
Price.

The Double Zinnia has proved a most important acquisition. Its splendid double flowers rival, in beauty, size, and form, moderate sized dahlias. Sow the seeds in a hot-bed for early flowering, being careful to remove them before becoming drawn. *They do not like petting.* Plants branch out freely, and should be set about eighteen or twenty-four inches apart, or closer; then should a plant of single flowers appear, it can be removed without leaving a gap. My seed is saved from the very choicest double flowers.

ZINNIA DOUBLE. Finest colors mixed..... .10

BIENNIALS AND PERENNIALS.

FLOWERING THE SECOND YEAR.

ACONITUM (MONKSHOOD). NAT. ORD., *Ranunculaceæ*.

Hardy, showy perennials, with long spikes of showy flowers. About two feet in height.

ACONITUM NAPELLUS. Fine blue and white..... .10
 " LYCOCTONUM. Fine purple..... .10
 " CANARIENSE. Yellow..... .10

ALYSSUM. NAT. ORD., *Cruciferae*.

ALYSSUM SAXATILE COMPACTUM. Superb, golden-yellow compact, free-flowering perennial. 1 foot..... .10
 " WIERCZBECKII. Hardy perennial; flowers, yellow; blooms first season. 1 foot..... .10

AQUILEGIA (COLUMBINE). NAT. ORD., *Ranunculaceæ*.

This pretty genus is an extremely showy and ornamental early summer flowering herbaceous plant, combining the most curious forms with the most beautiful and striking colors; succeeds in any garden soil. Hardy perennials. About eighteen inches in height.

AQUILEGIA GLANDULOSA. Flowers large and rich sky-blue, the inside and margin of the corolla pure white..... .10
 " ALBA PLENO. Double; white; fine..... .10
 " CARYOPHYLLOIDES. White, variously striped with red-dish crimson; a beautiful double variety..... .10
 " FORMOSA. Double crimson and orange..... .10
 " " RUBRO. Fine crimson, double..... .10
 " SKINNERII. Scarlet and yellow very beautiful..... .15

BELLIS (DOUBLE DAISY). NAT. ORD., *Compositæ*.

A well-known and favorite plant for the border or pot-culture. Half-hardy perennial.

BELLIS PERENNIS. Finest German varieties, producing a large proportion of double flowers mixed..... .25

CAMPANULA. NAT. ORD., *Campanulacæ*.

A genus of beautiful perennials, all of which are characterized by the richness of their color and the profusion of their bloom; some of the varieties are remark-

		Per Pkt. Price.
able for their stately growth, others for their close, compact habit. Hardy biennials ; growing about two and a half feet.		
CAMPANULA	GRANDIS. Deep blue.....	.10
"	GRANDIFLORA. Long drooping, purple flowers.....	.10
"	PYRAMIDALIS. Very elegant, with fine blue flowers ; may be trained to any form of growth.....	.10
"	" ALBA. White variety of the above.....	.10
CANTERBURY BELL, DOUBLE.	Lilac, blue, white and mixed .....	.10
"	SINGLE. Lilac, blue, white and mixed .....	.05
"	FLORA ROSEUM. Pink-flowering.....	.10

CARNATION (DIANTHUS). NAT. ORD., *Caryophyllaceæ*.

A class of popular favorites, deliciously fragrant, and with colors extremely rich and beautiful. Seed may be sown in the spring for winter blooming, or in the fall for blooming the following spring. Plant in a bed, discarding all single or semi-double varieties as soon as they appear.

CARNATION PINK, ITALIAN.	Choice varieties from named flowers, mixed .....	.25
"	ENGLISH VARIETIES, mixed.....	.25
"	GOOD MIXED, for out-door bedding .....	.10

CATANANCHE. NAT. ORD., *Compositæ*.

Exceedingly showy, free-flowering herbaceous plants ; succeeding in any garden soil. Hardy perennials.

CATANANCHE	CÆRULEA. Blue, with purple centre. 2 feet.....	.05
"	BICOLOR. White violet centre. 2 feet.....	.05
"	LUTEA. Yellow. 1½ feet .....	.10

COLLINSIA. NAT. ORD., *Scrophulariaceæ*.

COLLINSIA VERNA.	This most elegant plant, with its half pure white and tender blue flowers, and the earliness of its blooming, deserves to become a general favorite. Sow in the autumn.....	.25
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DELPHINIUM. NAT. ORD., *Ranunculaceæ*.

Highly ornamental, profuse-flowering plants. When planted in large beds or groups, their gorgeous spikes of flowers, of almost endless shades, from pearl-white to the richest and deepest blue, render them conspicuous and striking objects in the flower-garden, growing from two to three feet. They delight in a deep, rich, mellow soil and are hardy perennials.

DELPHINIUM	CHINENSE PUMILUM. Varying from azure to indigo ..	.10
"	CELESTINUM. Soft, celestial blue ; beautiful spikes....	.10
"	ELATUM (BEE LARKSPUR) .....	.05
"	FORMOSUM. Rich blue and white ; very handsome .....	.10
"	GRANDIFLORUM. Dark blue ; large spikes .....	.10
"	HYBRID VARIETIES. Finest mixed.....	.10

DIGITALIS (FOXGLOVE). NAT. ORD., *Scrophulariaceæ*.

Very ornamental and exceedingly showy plants for shrubberies and other half-shady places. Hardy perennials.

DIGITALIS	PURPUREA. Purple spotted .....	.05
"	ALBA. A pure white variety.....	.05
"	GLOXINOIDES. Gloxinia-shaped flowers .....	.10
"	FERRUGINIA. Reddish brown.....	.05
"	AUREA. Golden .....	.05
"	IVERY'S NEW SPOTTED.....	.10
"	Mixed varieties.....	.05

DICTAMNUS (FRAXINELLA). NAT. ORD., *Rutaceæ*.Per Pkt.
Price.

A very fine hardy perennial. The leaves have a pleasant smell like lemon-peel when rubbed. The seeds often remain in the ground several months before vegetating. Better scald the seed before planting.

DICTAMNUS ALBA. White. 2 feet.....	.05
" RUBRA. Crimson. 2 feet.....	.05

FRENCH HONEYSUCKLE. NAT. ORD., *Leguminosæ*.

A fine border plant, growing about three feet. Hardy perennial.

FRENCH HONEYSUCKLE (HEDYSARUM). Mixed.....	.05
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GEUM. NAT. ORD., *Rosaceæ*.

Handsome, free-flowering and showy plants, for mixed borders. Hardy perennials, growing from one to two feet.

GEUM ATROCOCCINEUM. Dark scarlet.....	.10
" ATROSANGUINEUM. A handsome dark variety.....	.10
" GRANDIFLORUM. Large flowered.....	.10

GLADIOLUS. NAT. ORD., *Iridaceæ*.

The seeds of this beautiful summer-flowering bulb are my own saving, selected from choice named flowers.

GLADIOLUS GANDAVENTSIS. Mixed.....	.20
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Gypsophila. NAT. ORD., *Caryophyllaceæ*.

A pretty, free-flowering, elegant plant, adapted for rockwork and edgings; succeeding in any garden soil. Hardy perennials.

Gypsophila PANICULATA. White; in large panicles.....	.10
" STEVENI. White in corymbs; fine for bouquets. Sow in the fall. 2 feet.....	.10

HOLLYHOCK. NAT. ORD., *Malvaceæ*.

This splendid plant may justly demand a place in every large garden or pleasure-ground. If sown early, in heat, the plants may be had in bloom the first year. Hardy perennials.

HOLLYHOCKS. The choicest double mixed, from English and French Prize varieties.....	.15
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HONESTY (SATIN-FLOWER). NAT. ORD., *Cruciferaæ*.

HONESTY (LUNARIA BIENNIS). Singularly interesting, from the silvery like tissues of the seed-vessels in their dry, matured state. Useful for winter bouquets. 2 feet.....	.05
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HUMEA. NAT. ORD., *Compositæ*.

A remarkably handsome plant for decorative purposes, whether in the hall, conservatory, pleasure grounds, or the centres of beds; its majestic and graceful appearance renders it effective and striking in any position. The leaves are remarkably fragrant when slightly rubbed. Succeeds best in light rich soil. Half-hardy biennial.

HUMEA ELEGANS. Red. 4 feet.....	.15
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IBERIS. NAT. ORD., *Cruciferaæ*.

Profuse-blooming, pretty plants; they flower amongst the earliest spring plants, and for a long time continue a dense mass of beauty. Succeed in any garden soil. Hardy perennials. 6 inches.

IBERIS CANDIDISSIMA. Pure white.....	.05
" UMBELLATA CARNEA. New; flesh color.....	.10

IPOMOPSIS. NAT. ORD., *Polemoniaceæ*.Per Pkt.
Price.

Handsome, free-flowering plants with long spikes of dazzling orange and scarlet flowers; very effective for conservatory and out-door decoration; succeeds in light, rich soil. Half hardy biennial.

IPOMOPSIS AURANTIACA.	Orange. 3 feet.....	.05
" BEYRICHI.	Scarlet and orange.....	.05
" PICTA SUPERBA.	Scarlet.....	.05
" CUPREATA.	Copper color.....	.05
" JAUNE CANARIE.	Canary yellow.....	.05

LAVANDULA (LAVENDER). NAT. ORD., *Labiataæ*.

A genus of plants cultivated on account of the delicious fragrance of their flowers. A very popular flower in Europe; the flowers are saved and placed in the wardrobe for their fragrance. They succeed in any garden soil. Hardy perennial.

LAVANDULA SPICA.	Lilac. 2 feet.....	.05
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LINUM. NAT. ORD., *Linaceæ*.

A genus of the most beautiful free-flowering plants. Hardy perennials.

LINUM PERENNE ALBUM.	White-flowered. 1½ feet.....	.05
" LUTEUM.	Yellow. 1½ feet.....	.10
" LEWISII VARIEGATUM.	Striped lilac and white. 2 feet.....	.10
" GRANDIFLORA.	True scarlet. 2 feet.....	.10

LUPINUS (LUPINE). NAT. ORD., *Leguminosæ*.

Well-known; very conspicuous and showy; growing about two feet. Hardy perennials.

LUPINUS MAGNIFICUS.	Violet and white.....	.05
" " POLYPHYLLUS.	Blue.....	.05
" " ALBA.	White.....	.05

LYCHNIS. NAT. ORD., *Caryophyllaceæ*.

Handsome ornamental plants, of easy culture. *Lychnis chalcedonica* is strikingly effective. *Lychnis viscaria splendens* and *Lychnis Haageana* are extremely beautiful. They succeed in any good soil. Hardy perennials; growing from one to two feet.

LYCHNIS CHALCEDONICA.	Scarlet.....	.05
" " ALBA.	White.....	.05
" " MUTABILIS.	Rose white.....	.05
" HAAGEANA HYBRIDA.	Flowers large, varying from the brightest scarlet to blood-red, purple, orange, white, or flesh color.....	.10
" " Beautiful bright scarlet; very fine.....		.10

ŒNOTHERA. NAT. ORD., *Œnagrææ*.

The most useful and beautiful, either for beds or borders. All the varieties are free-flowering, with superb spikes of large flowers.

ŒNOTHERA ACAULIS.	A large variety, with silvery-white blossoms. 18 inches.....	.05
" CINNABARINA.	Rich orange; yellow throat, stained with rich salmon. Half-hardy. 18 inches.....	.05
" MISSOURIENSIS.	Large yellow flowers; trailing fine species.....	.05
" TARAXACIFOLIA.	Pure White. 1 foot.....	.05
" " LUTEA.	Yellow.....	.05

PAPAVER (PERENNIAL POPPY). NAT. ORD., *Papaveraceæ*. Per Pkt. Price.

Ornamental and strikingly effective, with brilliant colored flowers of an immense size, which, in plantation and borders, are unusually effective; hardy perennial; two to three feet in height.

PAPAVER BRACTEATUM. Bright orange crimson. 2 feet.....	.05
“ INVOLUCRATUM MAXIMUM. Brilliant orange scarlet.....	.10
“ ORIENTALE. Deep scarlet, with large black blotches.....	.10

PENTSTEMON. NAT. ORD., *Scrophulariaceæ*.

Well known and highly ornamental hardy perennial plants, with long, graceful spikes of fine-shaped and richly colored flowers. One of the most effective and free-flowering border and bedding plants; succeeds in any light soil; should be sown before or after the hot, burning sun of summer, in a cool, shady place. Two feet in height.

PENTSTEMON JEFFREYANUM. Brilliant blue.....	.10
“ DIGITALIS. White, striped with red.....	.10
“ LOBBII. Yellow.....	.10
“ PUBESCENS. Light purple.....	.10
“ MURRYANA. Scarlet, very handsome.....	.10
“ Mixed.....	.10

PHLOX PERENNIAL. NAT. ORD., *Polemoniaceæ*.

A very choice Herbaceous Perennial, of the easiest culture, perfect hardihood, nearly ever-blooming. No garden should be without them. They embrace every color, from purest white to darkest crimson.

Finest mixed, from my own extensive collection.....	.10
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PICOTEE PINK. NAT. ORD., *Caryophyllaceæ*.

Favorite and well-known plants of great beauty, combining with the most perfect form the richest and most beautiful colors. They have a delicate perfume, are easily cultivated, and bloom profusely, growing freely in any light, rich soil. Half-hardy perennials.

PICOTEE PINK. Yellow ground.....	.50
“ “ White.....	.50

PINK (DIANTHUS MOSCHATUS FL. PL.). NAT. ORD., *Caryophyllaceæ*.

A well-known plant, remarkable for its beauty and delightful fragrance; growing freely and flowering profusely; succeeding best in a rich, loamy soil. Hardy perennials.

PINK, FLORISTS', OR PAISLEY. From the finest named varieties.....	.25
“ BROWN'S MULE. A very free flowering variety.....	.25

POTENTILLA. NAT. ORD., *Rosaceæ*.

A splendid tribe of profuse-flowering, beautiful, herbaceous plants, producing a fine effect in mixed flower borders. Hardy perennials.

POTENTILLA. Best varieties mixed.....	.10
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POLYANTHUS. NAT. ORD., *Primulaceæ*.

This profuse-flowering hardy plant is too well known to need description. One of the earliest of our spring flowers, either as a pot or border plant it is equally beautiful. Hardy perennial.

POLYANTHUS (PRIMULA ELATIOR). Good mixed.....	.10
“ Extra mixed, saved from named flowers.....	.25

ROCKET (HESPERIS). NAT. ORD., *Cruciferae*.Per Pkt.
Price.

Fine early spring flowering plants; very fragrant; excellent for bouquets; grow freely.

ROCKET, SWEET PURPLE.	1 ½ feet.....	.10
“ “ WHITE.	1 ½ feet.....	.10

STOCKS BROMPTON (MATHIOLA INCANA). NAT. ORD., *Cruciferae*.

The Brompton are generally called Winter Stocks, on account of their not flowering the first year. In the Southern States it blooms to perfection, but is hardly hardy enough to stand our winters; blooms freely in the green-house; its immense spikes of bloom will well repay any additional trouble to protect it through the winter for spring blooming out of doors. Deliciously fragrant.

BROMPTON, OR WINTER STOCKS.	Crimson; rose-color.....	.10
“ “	Dark blue; pure white.....	.10
“ “	Finest mixed.....	.10
INTERMEDIATE.	Sow early in August, and then pot for winter blooming.	
	Mixed colors.....	.20
VICTORIA SCARLET.	Brilliant scarlet.....	.15
PERPETUAL, OR EMPEROR.	Finest mixed.....	.20

SWEET WILLIAMS. NAT. ORD., *Caryophyllaceae*.

Perfectly hardy and easily raised from seed; it sports into endless varieties, viz.: pink, purple, crimson, scarlet, white,—variously edged, eyed and spotted. An old and popular flower greatly improved; very unlike the old Sweet Williams of our boyhood days.

SWEET WILLIAMS, AURICULA-FLOWERED.	Trusses large and perfect.....	.10
“ “	HUNT'S PERFECTION. Truly gorgeous in size, color and variety.....	.10
“ “	DOUBLE FLOWERING. Finest mixed.....	.10
“ “	DUNNETTI. Blood red, velvety texture.....	.10

WALLFLOWER. NAT. ORD., *Cruciferae*.

A useful and ornamental class of plants; very fragrant; half-hardy perennials. Double varieties mixed.....

.10

ORNAMENTAL CLIMBERS.

The Climbers are a very important class of plants, and in the hands of skillful cultivators are made to assume any desired form. The strong-growing varieties are very decorative to screens, arbors and trellis work, giving both beauty and shade. Those of more delicate growth are valuable for pots, baskets, and other ornamental designs.

ARTEMESIA. NAT. ORD., *Compositae*.PER PKT.
PRICE.

ARTEMESIA ANNUA.	An annual of quick growth, with pretty, long, fern-like leaves, and beautiful, drooping branches. The plant possesses an aromatic smell.....	.10
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ABROBA. NAT. ORD., *Cucurbitaceæ*.Per Pkt.
Price.

ABROBA VIRIDIFLORA. Tuberous, perennial, climbing Cucurbitaceæ, with handsomely-cut, glossy, dark-green foliage; small, oval, scarlet fruits.....	.25
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BALLOON (CARDIOSPERMUM). NAT. ORD., *Sapindaceæ*.

Love in a puff. A genus of rapid growing, handsome climbers, remarkable for an inflated, membranous capsule; ornamental alike for green-house or outdoor decoration. Half-hardy annuals.

CARDIOSPERMUM HALICACABUM. White. 4 feet.....	.10
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CLITORIA. NAT. ORD., *Leguminosæ*.

Free-flowering green-house climbers, with large, elegant, pea-shaped flowers; very effective for training on trellis-work. Plants of this character may be grown for green-house or conservatory decoration; though perennials, they flower the first year.

CLITORIA CŒLESTIS. Sky blue.....	.10
“ ATRO-CERULEA. New; dark blue.....	.25
“ TERNATEA. Blue and white.....	.25
“ ALBA GRANDIFLORA. Pure white.....	.25

COBÆA. NAT. ORD., *Polemoniaceæ*.

A rapid-growing, climbing plant, with large, purple, bell-shaped flowers; seeds should be *planted edgewise*, and it is best to start them with heat in these cold latitudes and late springs. In the south and southwest they grow remarkably well out of doors. In the autumn take up the plants and pot for the house. One of the most beautiful and popular of our climbing plants. Tender perennial. 2 feet.

COBÆA SCANDENS.....	.10
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CONVOLVULUS. NAT. ORD., *Convolvulaceæ*.

Convolvulus major, or Morning Glory, is a beautiful and useful annual climber, making a rapid growth. The flowers are exceedingly delicate as well as large and showy. The seeds may be sown in the open ground, early in the spring.

The finest varieties mixed.....	.05
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CUCUMIS (ORNAMENTAL CUCUMBER). NAT. ORD., *Cucurbitaceæ*.

A most interesting tribe of plants, remarkable for luxuriance and rapidity of growth; truly marvelous. Treat the same as the Cucumber; and train against a wall or trellis, or in any way that may be desired.

CUCUMIS ARADAC. Yellow; fruit small, growing in pairs.....	.10
“ DIPSACEUS. Sulphur-yellow; teasel-like, elegant.....	.10
“ ERINACEUS. Beautiful.....	.10
“ FLEXUOSUS. Snake cucumber. 3 feet long.....	.10
“ MEDULLIFEROUS. Scarlet; thorny.....	.10
CUCURBITA DIGITATA. Pretty, cut foliage, marbled with white; the fruits are dark green, striped with white.....	.15
“ ARGYROSPERMUM. Seed large; bordered with a silvery margin.....	.15
“ MELOTHERA PENDULA. A very pretty climber, with scarlet fruit.....	.10
“ WELIVITSCHI. Lobated leaves, and blood-red fruit.....	.15
“ CYCLANTHERA EXPLODENS. An elegant climber, with handsome foliage, and pretty, oval-shaped fruits, exploding with a loud noise when ripe.....	.10
“ PEDATA. Graceful climbing plants, with pendant branches of elegant balloon-like seed pods. 15 feet.....	.10

CYPRESS VINE (IPOMEA QUAMOCLIT). NAT. ORD., *Convolvulaceæ*. Per Pkt.
Price.

A tender climbing annual, with graceful foliage and scarlet flowers ; seeds should not be planted in open ground before the last of May or the first of June. By some florists it is recommended to scald the seed before sowing. 15 feet.

CYPRESS VINE, SCARLET	.....	.05
“ “ WHITE. Variety of the preceding	.....	.05
“ “ ROSEA. Rose color	.....	.05

DOLICHOS (HYACINTH BEAN). NAT. ORD., *Leguminosæ*.

Beautiful climbing plants ; flowers in clusters ; treatment the same as the common bean. Tender annuals.

DOLICHOS LABLAB. Purple	.....	.05
“ “ ALBA. White	.....	.05
“ GIGANTEUS. A hardy ornamental climber	.....	.10

ECCREMOCARPUS (CALAMPELIS). NAT. ORD., *Bignoniaceæ*.

A rapid-growing plant, with numerous clusters of handsome, tube-shaped flowers ; valuable for covering stumps of old trees, unsightly walls, etc. Tender annual.

ECCREMOCARPUS SCABER. Orange. 10 feet10
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GOURD, ORNAMENTAL. NAT. ORD., *Cucurbitaceæ*.

All of this class are interesting, combining, as they do, foliage the most ornamental, with fruit of the most singular description. On the trellis-work, against walls, or festooned from roofs, they never fail to excite admiration. Tender annuals.

GOURD, BOTTLE. Well known and very useful	.....	.10
“ APPLE-STRIPED. Very ornamental	.....	.10
“ EGG-SHAPED. Closely resembling an egg	.....	.10
“ GOOSEBERRY. Small fruit ; very pretty	.....	.10
“ HERCULES' CLUB. Club-shaped ; curious	.....	.10
“ ORANGE. Very ornamental ; fruit resembling an orange	.....	.10
“ TRICHASANTHES COLUBRINA. True serpent gourd	.....	.10

IPOMEA (CONVOLVULUS). NAT. ORD., *Convolvulaceæ*.

A genus of beautiful climbing plants for the conservatory and green-house, or warm, sheltered situations out of doors ; are pre-eminently beautiful, many of them combining marvelously brilliant colors with pure white margins, and varying in shade from the most intense violet-blue to the most delicate cerulean. All the varieties are splendid, and should be extensively cultivated. Tender annuals.

IPOMEA GRANDIFLORA, ALBA, PICTA, CARMINEA. Heart-shaped leaves, largely marbled with silver-gray ; flowers white, dotted with brilliant carmine	.....	.15
“ GRANDIFLORA, ALBA, PICTA, LILACINA. Golden marbled leaves ; white flowers, spotted with clear lilac	.....	.15
“ HEDERACEA GRANDIFLORA ATROCARMINEA INTUS ALBA. Tri-lobed leaves, largely-marbled silver gray ; flowers, dark carmine, with large white throat	.....	.15
“ “ SUPERBA LILACINA. Lilac, with broad white margin	.....	.10
“ “ ATROVIOLEACEA. Dark violet, with broad white margin	.....	.10
“ “ RUBRO CÆRULEA. Immense blooms ; bright celestial blue	.....	.15

IPOMEEA LIMBATA ELEGANTISSIMA. A beautiful variety, of a rich mazarine blue, with a conspicuous white margin or belt.....	.10
“ COCCINEA (STAR IPOMEEA). Fine scarlet; beautiful.....	.05
“ BURRIDGII. Large bright crimson flowers.....	.05
“ DICKSONII. Large blue flowers.....	.05

LATHYRUS (EVERLASTING PEA). NAT. ORD., *Leguminosæ*.

Showy, free-flowering plants, growing in any common soil; very ornamental for covering fences, walls, etc. Hardy perennials.

LATHYRUS LATIFOLIUS. Crimson scarlet. 5 feet.....	.10
“ “ ALBUS. White. 5 feet.....	.10

LOASA. NAT. ORD., *Loasacæ*.

These are beautiful, tender, climbing annuals, suitable for covering a trellis or ornamental wire-work. The branches are covered with stinging hairs, as painful to the touch as a stinging nettle. An excellent guardian to place in any spot where flower-thieves visit. For your own protection use gloves.

LOASA AURANTICA. Orange color. 6 feet.....	.10
“ HERBERTII. Scarlet. 6 feet.....	.10
“ TRI-COLOR. Shaded, yellow. 6 feet.....	.10

MAURANDYA. NAT. ORD., *Scrophulariaceæ*.

The most graceful and free-flowering of soft-wooded climbers for the conservatory and greenhouse, or pillars, trellis-work and verandas in the flower-garden. Should not be planted until the weather is warm and all danger from frost is over. It is best to start the seeds in a hot-bed or greenhouse. Half-hardy perennial.

MAURANDYA BARCLAYANA ALBA. White.....	.10
“ “ PURPUREA GRANDIFLORA. Dark blue.....	.10
“ “ COCCINEA. Scarlet; very bright.....	.10
“ “ ROSEA. Bright rose.....	.10
“ “ Finest mixed.....	.10

MOMORDICA. NAT. ORD., *Cucurbitaceæ*.

Trailing plants, with curious and ornamental foliage; the fruit is of a golden yellow color, warted, and when ripe opens, disclosing its seeds and brilliant carmine interior. Planted on stumps of trees, and allowed to ramble, they produce a very striking effect. Half-hardy annuals.

MOMORDICA BALSAMINA (BALSAM APPLE).....	.05
“ CHARANTIA (BALSAM PEAR).....	.05

NASTURTIUM. NAT. ORD., *Tropæolaceæ*.

Useful, hardy annuals. The seed-pods, gathered young, make a delicious pickle—an excellent substitute for capers.

NASTURTIUM. Yellow; crimson; spotted.....	.05
“ Varieties mixed, 15c. per ounce.....	.05
(For finer varieties mixed, see <i>Tropæolum</i> .)	

PASSIFLORA, or PASSION FLOWER. NAT. ORD., *Passifloraceæ*.

Magnificent ornamental twiners; flowers interesting, beautiful, and of remarkable description; they are produced in the greatest profusion and in succession, during the greater part of the year, under glass, and out of doors, during the summer and autumn months.

PASSIFLORA CÆRULEA. Sky blue.....	.10
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PEAS. NAT. ORD., *Leguminosæ*.Pep Pkt.
Price.

Well-known, free-flowering, ornamental plants, flourishing in any open situation. They are valuable as screens for protecting tender plants, or for trailing on trellis-work, covering rough wooden fences. One of the most useful and beautiful of our garden annuals; if sown in rich soil they will grow six feet high; it greatly extends the time of flowering if the blooms are used freely; if not wanted for your own house decoration, give them to the children. Do not allow them to seed. Sow as early as the weather opens, three to four inches deep, and treat as a garden pea.

PEAS, SWEET, PAINTED LADY.	Purple, purple-striped, white	.05
" " INVINCIBLE.	Intense crimson scarlet	.05
" " BLACK INVINCIBLE.	Large flower, striking color	.10
" " BLUE HYBRID.	A new and distinct color	.10
" " LORD ANSONS.	Delicate light blue	.05
" " "	Scarlet striped with white	.05
" " "	White	.05
" " "	Purple, striped with white	.05
" " "	Black, or dark brownish purple	.05
" " "	All varieties mixed, 10c. per oz., \$1.00 per lb.	

PHASEOLUS (SCARLET-RUNNER BEANS). NAT. ORD., *Leguminosæ*.

A popular climbing annual, with spikes of showy scarlet flowers, and a variety with white flowers. They are extensively grown to cover arbors, walls, or to form screens, on account of their vigorous and rapid growth. It is a common error to suppose this is the only use made of it (The Scarlet-Runner); it is beautiful as a flowering bean, and the most delicious snap bean in cultivation Hardy annuals.

PHASEOLUS COCCINEA.	Brilliant scarlet	.10
" PAINTED LADY.	Scarlet and white	.10
" ALBA.	White	.10

TROPÆOLUM. NAT. ORD., *Tropæolaceæ*.

Tropæolum majus is a fine climber, comprising several varieties, differing in the color of both flower and foliage. Some of the leaves are a bright, lively green; others, very dark. The flowers are of all shades of yellow, scarlet, striped and spotted. Seeds may be planted in the open ground, or transplanted. *T. lobbianum* is very desirable for the green-house, and will also answer well for a summer climber when started in the house. *T. peregrinum* is the Canary Flower, with bright yellow, curious flowers, in long racemes.

TROPÆOLUM MAJUS COCCINEUM.	Scarlet	.10
" " DUNNETT'S ORANGE.	Dark orange	.10
" " PEREGRINUM (CANARY BIRD FLOWER).	Yellow, delicate foliage	.10
" " SCHEURIANUM.	Straw color, striped with brown	.10
" " "	COCCINEUM. Scarlet striped	.10
" " SCHULZII.	Brilliant scarlet; dark foliage	.10
" LOBBIANUM, CAROLINE SMITH.	Spotted	.20
" " LILLI SCHMIDT.	Orange-scarlet	.20
" " NAPOLEON III.	Yellow; striped with vermillion	.20
" GIANT OF BATTLES.	Brilliant carmine	.20
" ROI DES NOIRS.	Dark; nearly black	.20
" QUEEN VICTORIA.	Vermillion; scarlet striped	.20
" "	Fine mixed	.10

THUNBERGIA. NAT. ORD., *Acanthaceæ*.

A genus of slender and rapid-growing climbers, with extremely pretty flowers, freely produced, either in the green-house, or in a warm situation out of

doors ; they delight in a rich, loamy soil. Half-hardy annuals ; growing about four feet.

THUNBERGIA	ALATA.	Buff ; dark eye .....	.10
"	"	AURANTICA. Bright orange ; dark eye ; beau- tiful .....	.10
"	"	BAKERII. Pure white ; fine .....	.10
"	"	SULPHUREA. Pale yellow .....	.10
"	"	COCCINEA. Scarlet .....	.15
"	"	Finest mixed .....	.10

FOR THE GREENHOUSE.

Although classed as greenhouse plants, many of them will be found beautiful requisites for bedding purposes during the summer months.

CALCEOLARIA. NAT. ORD., *Scrophulariaceae*.

Indispensable for the greenhouse or flower-garden. The herbaceous varieties, *C. hybrida*, are remarkable for their large, finely-shaped and beautifully-spotted flowers. They succeed in any light, rich soil. Half-hardy perennials.

CALCEOLARIA	(JAMES' INTERNATIONAL PRIZE).	The finest strain of Calceolaria yet raised .....	.50
"	HYBRIDA	GRANDIFLORA. Extra fine, spotted and striped ; large-flowered ; superb .....	.50
"	"	GRANDIFLORA NANA. A dwarf variety ; beautifully marked ; close, compact habit ; free bloomer .....	.50

CARNATION. NAT. ORD., *Caryophyllaceae*.

One of the most valued of all plants, either for the decoration of the flower-garden in the summer, or the greenhouse or parlor in the winter. The flowers are of every shade and marking, most of them delightfully fragrant. For winter bouquets, it is perhaps the most valuable of all flowers.

CARNATION.	Perpetual-flowering50
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CHRYSANTHEMUM. NAT. ORD., *Compositae*.

One of the best of our autumn flowers for blooming in the fall, when the Dahlia and Zinnia are gone ; it is equally valuable for bedding out or parlor blooming. Seed saved from the very choicest flowers.

CHRYSANTHEMUM	INDICUM.	Tall, double mixed, extra fine. Half-hardy perennial. 2 feet .....	.25
"	"	NANUM. Double mixed (<i>Dwarf Pomponé</i>). Half - hardy perennial. 1 foot .....	.25

CINERARIA. NAT. ORD., *Compositae*.

A favorite, free-flowering plant ; may be had in splendid bloom through the greater portion of the year ; and, from the richness and diversity of its colors, is one of the most valuable of our early spring flowers ; succeeds best in light, rich, free, and open soil.

CINERARIA.	Extra fine mixed. Saved from English prize flowers .....	.50
"	Dwarf. Saved from the finest named flowers .....	.25
"	A fine mixture of my own saving .....	.25

CLIANTHUS. NAT. ORD., *Leguminosæ.*Per Pkt.
Price.

Magnificent, free-flowering shrubs, with elegant foliage and brilliantly-colored, singularly-shaped flowers, produced in clusters. *C. Dampieri* succeeds best planted in the border of a green-house, and is one of the most magnificent plants of recent introduction. Seeds sown early in spring flower the first year. Succeeds best in sandy peat and loam. Half-hardy shrub.

CLIANTHUS DAMPIERII.	Embracing colors from white to crimson, with the black, boss-like blotch.....	.50
"	MAGNIFICUS (GLORY PEA). An extremely handsome, scarlet flowering shrub, with elegant foliage. Flowers out of doors in summer, against a trellis or south wall; requires protection in the winter. The seeds should be soaked a few hours in warm water, before sowing. 4 feet.....	.25

COLEUS. NAT. ORD., *Scrophulariaceæ.*

No ornamental foliage plants have given such perfect satisfaction; of the most excellent habit, and colors of all imaginable combinations.

COLEUS.	Mixed from choicest varieties.....	.25
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CYCLAMEN. NAT. ORD., *Primulaceæ.*

A genus of the most beautiful and elegant winter and spring blooming green-house bulbs, universally admired; growing freely in sandy loam. Half-hardy perennial.

CYCLAMEN.	Saved from James's celebrated varieties, producing flowers of various and beautiful tints.....	.25
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FERNS. NAT. ORD., *Polypodiaceæ.*

This graceful and magnificent tribe is too well-known and highly appreciated to need description. Delights in peaty, sandy soil.

FERNS.	Choicest green-house varieties, mixed.....	.25
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FUCHSIA. NAT. ORD., *Onagraceæ.*

These beautiful plants grow freely in the open ground, and enliven our flower gardens during the whole summer with their beautiful drooping flowers. Half-hardy perennials.

FUCHSIA.	Mixed. Saved from the choicest varieties.....	.50
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GERANIUM (PELARGONIUM). NAT. ORD., *Geraniaceæ.*

These well-known garden favorites are indispensable for our out-door decorations, and should be extensively cultivated. The seed is selected from the best varieties in cultivation. The amateur has a chance of raising many novelties. Half-hardy perennials.

GERANIUM, NEW FRENCH HYBRID.	Beautiful varieties.....	.25
"	SCARLET. Fine mixed.....	.15
"	Extra choice; of my own saving, selected from choicest varieties. I grow a large quantity of these beautiful plants for stock. I can supply this seed, cheaper in quantity, better in quality, than what is usually offered. Scarlet, rose, salmon, and white flowering varieties mixed.....	.15
"	PEPPERMINT.....	.25

GLOXINIA. NAT. ORD., *Gesneraceæ.*

Superb green-house plants, producing in great profusion, above the foliage, beautiful flowers, of the richest and most beautiful colors. Thrives best in sandy peat and loam. Perennial bulbs.

GLOXINIA ERECTA. Erect growing. Saved from a fine collection.....	.50
“ FINEST HYBRID DROOPING FLOWERS. Choice varieties.....	.50

HELIOTROPIUM. NAT. ORD., *Boraginaceæ*.

The Heliotrope is too well known to need recommendation. Its fragrance is delightful; well adapted for bedding or pot-culture. Seeds sown early in spring make fine plants for summer decoration. Half-hardy perennial.

HELIOTROPIUM, ANNA TURRELL.....	.10
“ REINE DE VIOLETTES. Beautiful violet.....	.10
“ PERUVIANUM. Bright purple.....	.10
“ TRIOMPH DE LIEGE. Lavender.....	.10
“ VOLTARIANUM. Dark purple.....	.10
“ Mixed varieties.....	.10

IPOMEA (CONVOLVULUS). NAT. ORD., *Convolvulaceæ*.

Of all flowers in general cultivation this ranks pre-eminent; its fine foliage and graceful form render it an indispensable ornament for green-house or conservatory.

IPOMEA LEARII. Magnificent mazarine-blue.....	.25
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LANTANA. NAT. ORD., *Verbenaceæ*.

Remarkably handsome, free-flowering plants, with brilliant colored flowers constantly changing in hue. Very effective for pot-culture or for bedding purposes. The plants will bloom more profusely if retained in their pots, and plunged where intended to flower.

LANTANAS. Mixed varieties.....	.25
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MIMULUS (MONKEY-FLOWER). NAT. ORD., *Scrophulariaceæ*.

Extremely handsome, profuse-flowering plants, with brilliant-colored flowers, distinguished by their rich markings. Seeds sown in spring make fine bedding plants for summer blooming. In moist situations, seed sown in autumn produces early-flowering, green-house plants. They like plenty of water. Half-hardy perennials.

MIMULUS CARDINALIS (MONKEY-FLOWER). Very showy; with brilliant scarlet flowers.....	.10
“ CUPREUS HYBRIDUS. Fine shaped flowers, spotted, stained, marbled, speckled, and blotched in the most striking manner.....	.20
“ ROEZLII. Flowers a bright yellow, throat prettily dotted with red; perfectly hardy, and bears exposure to the sun without injury.....	.25
“ MUSK (MIMULUS MOSCHATUS). The well-known musk plant ..	.10

NIEREMBERGIA. NAT. ORD., *Solanaceæ*.

Profuse-blooming, elegant and charming little plants, valuable for small beds, edging, and rustic baskets or vases; remains in bloom through the season. Half-hardy perennials.

NIEREMBERGIA GRACILIS. White, veined with lilac.....	.25
“ FRUTESCENS. Large flowering.....	.25

PELARGONIUM. NAT. ORD., *Geraniaceæ*.

Beautiful green-house plants for the conservatory or the drawing-room. See descriptive catalogue for plants of named varieties. Green-house perennials.

PELARGONIUM. Finest mixed; from named prize flowers.....	.25
“ Beaton's varieties mixed.....	.25

PRIMULA. NAT. ORD., *Primulaceæ*.

A charming, profuse-flowering plant; indispensable for winter and spring

decoration for the green-house, conservatory and drawing-room. The seed has been saved from flowers remarkable for their size, color and perfect form. Succeeds best in sandy loam and leaf-mould. Half-hardy perennials.

PRIMULA CHINENSIS ERECTA FIMBRIATA RUBRA PLENA.		
	Double red.....	.75
"	FIMBRIATA. Large flowers, of dark, salmon-colored rose .....	.50
"	" White, striped with red .....	.25
"	" ALBA. White .....	.25
"	" KERMESINA SPLENDENS. Very large flowered, brilliant color .....	.50
"	ERECTA SUPERBA. A fine, erect variety, with brilliant rose- colored flowers.....	.50
"	FIMBRIATA (CRIMSON EMPEROR). Rich, dazzling, crimson flowers.....	.50
"	" FILICIFOLIA RUBRA GRANDIFLORA. Red fern-leaved; of a beautiful velvety-green; flowers 1½ inches in diameter; of fine sub- stance; beautiful .....	.50

VINCA. NAT. ORD., *Apocynaceæ*.

A genus of the most beautiful green-house plants; succeeding out of doors in warm, sheltered situations. A bed of these in flower do not make a gorgeous show, but are very pretty. Seed sown early in spring will bloom the same season.

VINCA ROSEA.	Rose-color.....	.10
"	ALBA. White, with crimson eye .....	.10
"	ALBA NOVA. A new variety; pure white .....	.25

EVERLASTING FLOWERS.

They retain their form and color for years, and their beauty can be enjoyed at all seasons. They are excellent for bouquets, wreaths, or any winter ornament. The flowers should be picked as soon as they expand, and hung up in small bunches to dry.

ACROCLINIUM. NAT. ORD., *Compositæ*.

An elegant annual, resembling the *Rhodanthe Manglesii*, but much larger; should be grown in every collection; fine for winter bouquets. Hardy annuals; growing about one foot.

ACROCLINIUM ROSEUM.	Bright rose color.....	.05
"	" ALBUM. Pure White.....	.05
"	" Mixed .....	.05

AMMOBIUM, NAT. ORD., *Compositæ*.

AMMOBIUM ALATUM.	White, everlasting flower. Hardy annual. 2 feet05
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GLOBE AMARANTHUS. NAT. ORD., *Amarantaceæ*.

These are highly prized for their heads of flowers, which, if gathered before they are too far advanced, will retain their beauty for months. The seeds are slow to vegetate in the open ground, and should be started in heat, if possible.

Sow the seed, slightly covering, and firmly pressing the soil after sowing; water lightly, and cover with glass, to keep the moisture. Their average height is two feet. Tender annual.

GLOBE AMARANTHUS.	Crimson; fine.....	.05
"	VARIEGATED.....	.05
"	WHITE.....	.05
"	ORANGE.....	.05
"	FLESH-COLOR.....	.05
"	Mixed.....	.05

HELICHRYSUM (ETERNAL FLOWERS). NAT. ORD., *Compositæ*.

The Helichrysum are much admired on account of the beauty of the flowers, which, if gathered when they first open, and dried, will retain their form and color for years. Useful for Christmas decorations. Hardy annuals.

HELICHRYSUM NANUM	ATROSANGUINEUM.	A dwarf variety; deep crimson; free flowering. 1½ feet.....	.10
"	"	ATROCOCCINEUM. Dwarf; dark scarlet. 1½ feet.....	.10
"	BORUSSORUM REX.	White variety; fine.....	.10
"	BRACTEATUM.	Yellow.....	.10
"	"	ALBUM. White.....	.10
"	MONSTROSUM	ROSEUM. Rose-color; double.....	.10
"	"	ALBUM. White; double.....	.10
"	"	LUTEUM. Bright yellow.....	.10
"	"	PURPUREUM. Rich carmine.....	.10
"	"	Very fine mixed.....	.10

HELIPTERUM. NAT. ORD., *Compositæ*.

Pretty, dwarf-tufted, small, neat-foliaged, with large globular clusters of bright golden-yellow everlasting flowers. Grows luxuriantly in the open border, and the flowers are excellent for winter bouquets.

HELIPTERUM SANFORDI.	The flowers are small, of a beautiful rich yellow color, growing in globular clusters. One of the most ornamental of the everlasting flowers.....	.15
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RHODANTHE. NAT. ORD., *Compositæ*.

Charming everlasting flowers, equally effective in embellishing the conservatory and flower-garden. The flowers, gathered when young, are valuable for winter bouquets. Succeeds best in a light soil, and a warm, sheltered situation. Half-hardy annual.

RHODANTHE	MANGLESII MAJOR.	Bright rose, with silvery calyx.	1 foot	
"	MACULATA.	Bright rosy purple, yellow disc, encircled with crimson.	1½ feet	.10
"	"	ATROSANGUINEA.	Dark purplish crimson; splendid.	1½ feet
"	"	ALBA.	Pure silvery white; most beautiful.	1½ feet

WAITZIA. NAT. ORD., *Compositæ*.

An interesting class of Everlastings, bearing their flowers in clusters; very delicate and pretty. The flowers should be picked early, or the centre becomes discolored. The seed should be sown under glass. Half-hardy annuals.

WAITZIA ACUMINATA.	Flowers varying from purple to citron.....	.25
"	CORYMBOSA. Deep amaranth-red; inside of flower lighter.....	.25
"	GRANDIFLORA. Flowers large, golden yellow; magnificent. 1 foot.....	.25

XERANTHEMUM. NAT. ORD., *Compositæ*.Per Pkt.
Price.

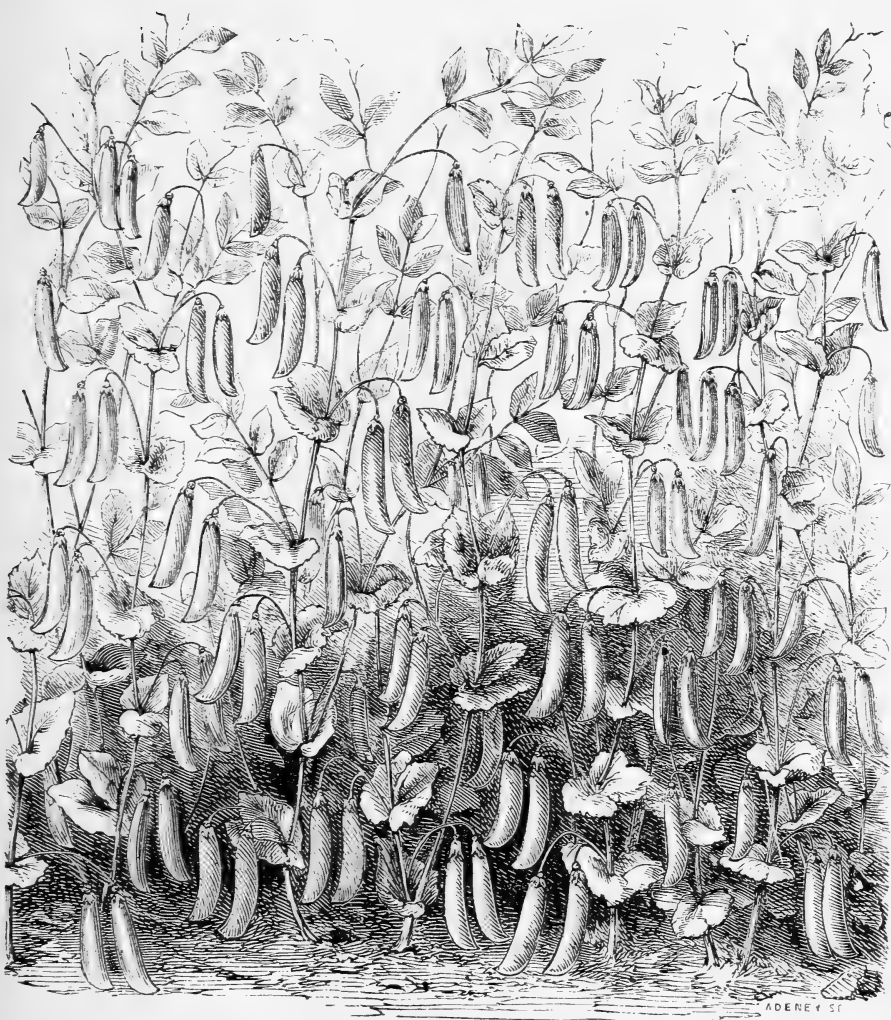
Free-blooming, everlasting annuals, of neat, compact habit ; leaves whitish or silvery ; flowers abundant, on strong stems ; very fine for winter bouquets. Seeds germinate freely. Hardy annual.

XERANTHEMUM ALBUM.	White.	2 feet.....	.05
"	PLENISSIMUM.	Double white. 2 feet.....	.05
"	PURPUREUM PLENISSIMUM.	Purple. 2 feet....	.05
"	COMPACTUM.	Double dwarf ; purple. 1 ½ feet....	.05
	Fine mixed.....		.05

ORNAMENTAL GRASSES.

A class of plants extremely interesting and effective. They are mostly annuals, and those which are not, with the exception of Pampas Grass, flower the first year. Most of the varieties may be dried and mixed with the Everlastings ; they make handsome winter bouquets. Transplant or thin out to afford space as soon as the plants can be handled.

ACHNODONTON BELLARDI.	Fine for bouquets.....	.10
AGROSTIS NEBULOSA.	The most graceful grass in cultivation.....	.10
ANDROPOGON BOMBYCINUS.	A charming grass, with large pendant ears ; soft, like satin to the touch. 1 foot.....	.25
AVENA STERILIS (ANIMATED OAT).	Curious and interesting, of tall, graceful habit. 2 ½ feet.....	.05
BRIZA MAXIMA (QUAKING GRASS).	Very ornamental. 1 foot.....	.05
"	COMPACTA. Erect and compact ; very distinct.....	.10
"	GRACILIS. Slender. Very pretty. 1 foot.....	.10
BRIZOPYRUM SICULUM.	Shiny, green leaves ; fine for edgings. ½ foot.....	.15
BROMUS BRIZEFORMIS.	For bouquets. 1 foot.....	.10
CERATOCHLOA PENDULA.	Graceful. 1 foot.....	.05
CHLORIS RADIATA	A free-bloomer, with tassel like heads of flowers. 1 foot.....	.10
COIX LACHRYMÆ (JOB'S TEARS).	Broad, corn-like leaves. 2 feet.....	.05
ERAGROSTIS ELEGANS (LOVE GRASS).	A dwarf grass of beautiful growth.....	.05
ERIANTHUS RAVENNÆ.	Its noble plumes of silvery white are delicately beautiful.....	.15
GYNERIUM ARGENTIUM (PAMPAS GRASS).	The most noble grass in cultivation.....	.15
HORDEUM JUBATUM (SQUIRREL TAIL).	3 feet.....	.10
LAGURUS OVATUS (HARE'S TAIL).	Very handsome ; a graceful waving grass. 1 foot.....	.05
PANICUM CRUS CORVI.	Brown. 1 ½ feet.....	.10
"	FIMBRIATUM. Splendid. 1 foot.....	.10
PENNISETUM LONGISTYLUM.	A graceful grass, with elongated heads of flowers. 1 ½ feet.....	.05
"	VILLOSUM. Elegant. 1 foot.....	.05
PENCILLARIA SPICATA.	A noble annual, with long panicles of flowers, succeeded by pretty, white grain. 4 to 5 feet.....	.25
STIPA PENNATA (FEATHER GRASS).	A splendid ornamental grass, with large feathery panicles of flowers ; very fine for bouquets, or for drying. 2 feet.....	.10
TRICHOLÆNA ROSEA.	A beautiful rose-tinted grass.....	.10
ZEA JAPONICA (JAPANESE MAIZE).	Beautifully and evenly striped with green and white.....	.10



ALPHA PEAS.

(See page 59.)

VEGETABLE SEEDS.

IT IS USELESS TO EXPECT GOOD CROPS FROM BAD CULTURE OR A BARREN SOIL.

I have every facility for proving the stocks from which my seed is saved. I grow samples of every variety, and am thus able to judge of my own personal knowledge of the best varieties. I recommend the trial of new varieties offered by *reliable parties*. They will not always in every locality prove a success. Still, try them. The seed now offered, I send out with every confidence of its giving satisfaction.

No half packets, under any circumstances, are put up, or half ounces where the rates per ounce are less than one dollar.

ARTICHOKE (CYNARA SCOSYMUS). German, *Artischoke*.

The artichoke is propagated by seeds, or suckers from established plants. If by slips, early in spring. Sow the seeds in April, in a bed of good, rich earth, in drills one inch deep and twelve inches apart, transplant the following spring to a permanent place, either in beds or drills. Plant two feet apart each way.

ARTICHOKE, LARGE GLOBE. Heads or buds large, nearly round, and with a dusky-purple tint. Per pkt. 10c. Per oz.50

ASPARAGUS (ASPARAGUS OFFICINALIS). German, *Spargel*.

Sow the seed in the fall or early in the spring, one inch deep and one inch apart, in rows one foot apart. When one year old, transplant into permanent beds, the plants placed a foot apart in the row, and two feet from row to row, and at least two inches beneath the surface.

ASPARAGUS, GIANT PURPLE TOP. Grayson's ; grows to a large size.
 Per lb., 75c. ; per pkt., 5c. ; per oz.10
 " CONOVER'S COLOSSAL. Said to be the largest variety
 grown. Per lb., \$3.00 ; per pkt., 10c. ; per oz.30

ENGLISH BEAN (FABA VULGARIS). German, *Gartenbohne*.

Sow as early as the ground will admit, in rows two feet apart, and three inches apart in the rows. They will increase their production if the tops of the plants are pinched off as soon as in bloom. These beans are not much grown by Americans ; by the European population they are much esteemed. Succeed best in a deep, strong, loamy soil.

		Per Qt.
EARLY MAZAGAN.	One of the hardiest. 3 feet high.	Per pkt. 10 ..... .35
LONG-PODDED.	Later than the Mazagan. 3 feet.	Per pkt. 10 ..... .35
BROAD WINDSOR.	Extensively cultivated. 2 feet.	Per pkt. 10 ..... .35
GREEN WINDSOR.	Retain a fresh, green color. 3 feet.	Per pkt. 1035

BEANS, DWARF or BUSH (PHASEOLUS VULGARIS). German, *Bohne*.

Drop the beans three inches apart, in rows two and a half feet apart; hoe often, never when the vines are wet, or they will rust. All varieties of beans are sensitive to frost and cold, and should not be planted before the middle of spring. As they require but about six weeks to make green pods, they can all be sown as late as August.

EARLY YELLOW SIX WEEKS. Excellent for string or shell; one of the earliest.	Per pkt. 10	.....	.40
" VALENTINE. An excellent string bean.	Per pkt. 10	.....	.40
" MOHAWK. Early, productive and very hardy.	Per pkt. 10	.....	.40
" CHINA. Red eye; one of the most productive.	Per pkt. 10	.....	.40
" WHITE MARROW. An excellent shell-bean; valuable when dry, for baking.	Per pkt. 10	.....	.35
REFUGEE, or THOUSAND TO ONE. Very productive.	Per pkt. 10	.....	.35
WHITE KIDNEY, or ROYAL DWARF. Good for shelling, green or dry.	Per pkt. 10	.....	.40
DWARF WAX, or BUTTER BEANS. The pods a waxy yellow; solid; very tender, rich flavored, and nearly transparent. I have harvested a fine crop, and give my customers the benefit, in a reduced price.	Per pkt. 10	.....	.50

BEANS, POLE or RUNNING (PHASEOLUS VULGARIS).

German, *Stanger Bohne*.

These are less hardy than the dwarfs, and are not usually planted so early in the season. Plant in hills three or three and a half feet apart, with a stake or pole to run upon. In places where poles or brushwood is scarce, sow these runners in drills, and pinch back the leaders; even with poles this is advisable, as they bear more abundantly.

LONDON HORTICULTURAL, SPECKLED CRANBERRY, or WREN'S EGG. May be used as a snap, or shelled as the Lima; very productive.	Per pkt. 10	.....	.50
GIANT WAX BEANS. Very productive; the pods are 6 to 9 inches in length, and when fit for use, of a wax-like color; tender and truly delicious.	Per pkt. 20	.....	.75
CONCORD. A very early pole bean, an excellent substitute for the Lima; superior, for snaps in the pod or shelled.	Per pkt. 10	.....	.50
LARGE LIMA. This bean is very susceptible of cold and wet, and should not be planted until the season is favorable, and the ground warm. Plant the seed edgewise, with the germ down, about the last of May or first week in June.	Per pkt. 15	.....	.60

BEANS, FLOWERING RUNNERS (PHASEOLUS MULTIFLORUS).

German, *Grosse Bunte Bohne*.

SCARLET-RUNNER. Cultivated for the beauty of its flowers; fine for covering arbors, etc.; an elegant snap bean.	Per pkt. 10	.....	.60
WHITE-RUNNER. The flowers pure white.	Per pkt. 10	.....	.50
PAINTED LADY. Variegated flowers; the upper petals being scarlet, the lower white.	Per pkt. 10	.....	.60

BEET (BETA VULGARIS). German, *Nunklerube*.

Sow the seed in April, as soon as the soil can be worked. For use in autumn, the seed should be sown about the middle of May; and for the winter supply, about the middle of June or first of July. Spade or fork the soil deeply and thoroughly over; and draw the drills across the bed fourteen inches apart, and about an inch and a half in depth. Sow the seed thick enough to secure a plant for every two or three inches, and cover the depth of the drills. The early plants may be thinned out and used as Spinach, leaving the main crop five or six inches apart. The after-culture consists in keeping the earth in the spaces between the rows, loose and open, by frequent hoeing.

	Per Oz. Price.
EARLY BASSANO. Earlier than Turnip Blood. Flesh, white, circled or zoned with bright pink; very tender. Per pkt. 5	.10
" TURNIP BLOOD. One of the best varieties for general use. Flesh, deep blood-red; sweet and tender. Per pkt. 5	.10
EGYPTIAN TURNIP-ROOTED BEET. Its merit consists in its great earliness, being equal to the Bassano, but having the advantage over that variety in having small and upright leaves, allowing it to be grown nearly twice as close together. In color it is a rich, deep crimson, the color most valued in beet. Per pkt. 10	.20
LONG SMOOTH DARK BLOOD. An improved variety of the common Long Blood. Flesh, dark blood-red, sweet, tender and fine-grained; fine winter beet if sown late. Per pkt. 5	.10
HENDERSON'S PINEAPPLE. Short top, medium size. Flesh, deep-blood red, fine grained, of excellent quality. Per pkt. 10	.20
CARTER'S ST. OSYTH. Medium-sized, good shape, short top, deep blood-red color; fine flavor. Per pkt. 10	.20
" PERFECTION SALAD. A small size, short-top variety, and sweet in flavor; the perfection of a Beet for salad purposes. Per pkt. 15	
SWISS CHARD, SILVER, OR SEA-KALE BEET. Cultivated for its leaf-stalks and for its leaves; cooked as Spinach; equal in flavor to Asparagus, and lasting longer. Per pkt. 5	.15
NEW PERPETUAL SPINACH. Leaves large; flavor superior to Spinach, used as a substitute the whole season. Per pkt. 5	.15
BECK'S IMPROVED SEA-KALE. A delicate esculent; quite equal to Sea-Kale. Per pkt. 10	.20

BORECOLE, or KALE (BRASSICA OLERACEA ACEPHALA).

German, *Blatter Kohl*.

Sow in the open ground in May. In transplanting, treat the plants same as young cabbages, setting them more or less remote, according to the size or habit of the variety; requires a light, rich soil.

GREEN CURLED SCOTCH. One of the most popular varieties; very hardy, and much improved by frost. Per pkt. 10	.15
ABERGELDIE KALE. A dwarf curled kale, of extreme beauty; delicate, mellow flavor; as double as a fine curled parsley; a valuable winter-green. Per pkt. 10	.35
CARTER'S IMPROVED GARNISHING KALE. Very beautiful in form and color, much used in Europe for ornamental purposes. Per pkt. 10	.50

BRUSSELS SPROUTS (BRASSICA OLERACEA VAR).

German, *Kopf, Kohl, Gruner*.

Cultivated for the small heads; produced in great numbers on the main stem of the plant, and are in perfection in the autumn. They are tender; of fine flavor after early frosts. Sow in seed-beds in May; transplant two feet apart.

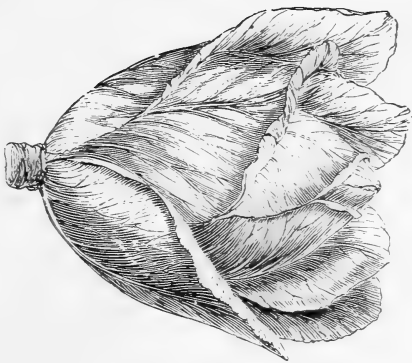
ROSEBERRY. A superior variety. Per pkt. 10	.20
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BROCCOLI (BRASSICA OLERACEA BOTRYTIS).

German, *Brocoli, Spargelkohl*.

Sow in hot-beds in April, or in open ground in May, in a very deep, rich soil. Transplant in June or July, when the weather is moist, in rows two feet apart, and twenty inches in the row. Keep them clear of weeds, by hoeing and stirring the ground, and in earthing-up slightly, from time to time, about the stem.

EARLY PURPLE CAPE. This has a close, compact head, of a purple color; hardy, and of excellent flavor. Per pkt. 15	.60
CHAPPELL'S LARGE CREAM-COLORED. A very large and fine sort; flower cream yellow; very early. Per pkt. 15	.60
WALCHEREN. So closely resembling a cauliflower as to be scarcely distinguishable from it. Per pkt. 15	.75
GRANGE'S AUTUMN. Close, compact head. Late. Per pkt. 10	.60



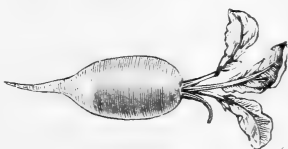
Kemp's Incomparable Cabbage.

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New Giant White Tripoli Onion.

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**TURNIP AND FRENCH BREAKFAST
Radishes.**

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Marzagole Onion.

PAGE 56.

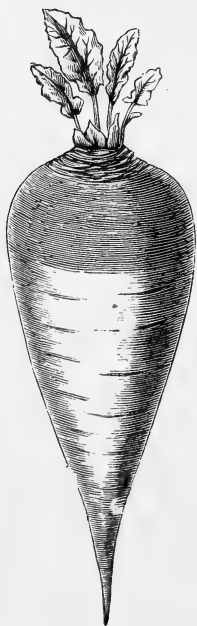
Cole's Crystal White Celery.

PAGE 50.



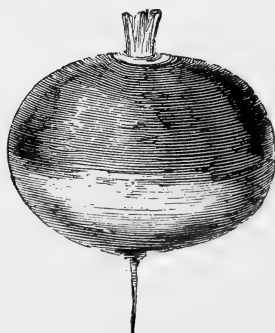
Carter's Imperial Kohl-Rabi.

PAGE 55,



Jersey Navet Turnip.

PAGE 68.



Strap-Leaf or Stone Turnip.

PAGE 68.



COVENT GARDEN

Long Scarlet Radish.

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CABBAGE (*BRASSICA OLERACEA CAPITATA*). German, *Kopfkohl*. Per Oz. Price.

These varieties need no recommendation; they are all well proved. For early use, sow in hot-beds in February or March; and for winter, in the open ground in May or June. When five or six inches high, transplant twelve to thirty inches apart. The ground must be rich, or made so by a good coat of manure. Digging or plowing deep is very essential.

KEMP'S INCOMPARABLE. Very superior, early; compact.	Per pkt. 10.	.40
EARLY WYMAN. It grows double the size of the Early Wakefield which it succeeds; and is the earliest large cabbage.	Per pkt. 10	.50
" YORK. One of the most popular cultivated.	Per pkt. 5	.20
EARLY WAKEFIELD. American seed; similar in form to the Early York; nearly as early; good size; a favorite with market-gardeners.	Per pkt. 15	.50
" WAKEFIELD (English).	Per pkt. 10	.35
LARGE YORK. The head is broad, firm and solid; a favorite at the South, and bears the heat well.	Per pkt. 5	.20
" LATE DRUMHEAD. American seed; heads very large, close and firm; very hardy.	Per pkt. 10	.40
" MARBLEHEAD MAMMOTH DRUMHEAD. Very solid, sweet and tender; most profitable cabbage for market.	Per pkt. 10	.40
" FRENCH OXHEART. Taking the place of many others, as it comes in after the Early York.	Per pkt. 10	.35
LITTLE PIXIE. A small, delicate-flavored variety; one of the earliest and best; very solid head.	Per pkt. 5	.25
LARGE SHORT-STEMMED BRUNSWICK. Head very large, flat, compact and solid.	Per pkt. 10	.40
PREMIUM FLAT DUTCH. A low-growing variety; heads large, bluish-green, round, solid, broad and flat on the top.	Per pkt. 10	.40
RED DUTCH, OR PICKLING. Used for pickling; medium size, oblong shape, and very solid; of a deep red color.	Per pkt. 5	.20
ROBINSON'S CHAMPION PRIZE OX. Very large, flat and solid; specimens were exhibited weighing eighty pounds.	Per pkt. 5	.20
WINNIGSTADT. Similar to the Oxheart; conical; heads full and solid; an intermediate variety; one of the best.	Per pkt. 10	.40

CAULIFLOWER (*BRASSICA OLERACEA BOTRYTIS*).

German, *Blumenkohl*.

The most delicious of the cabbage tribe. The season for sowing, for the early spring or summer crop, is between the 8th and 20th of September; and for the autumn crop, about the first of April. The plants, as soon as they are two or three inches high, should be planted out in a bed of light, rich soil, three inches apart each way, to grow firm and stocky, to remove to their final place of growth. Lift the plants with a trowel, from where they were transplanted, and plant eighteen inches apart each way. The frame should be surrounded with straw or litter of some kind, also the glass or shutter should be covered with mats or dry straw in severe weather, observing to give plenty of air on mild and pleasant days, to prevent the plants from drawing. For a late autumn crop they require no particular care or skill, simply keeping them free from weeds, and the ground stirred frequently. To prevent the flower from scorching, break a few of the inner leaves, and fold over.

ERFURT, EARLIEST DWARF. The best in cultivation for early forcing and open ground; very dwarf; leaves small, heads large and very firm; pure white.	Per pkt. 25; per half oz. \$1.50	2.50
HALF-EARLY PARIS. Heads rather large, white, and compact; leaves large, stalk short; very early; plant in spring.	Per pkt. 25	2.00
EARLY LONDON. Well known for general use.	Per pkt. 10	1.00
CARTER'S DWARF MAMMOTH. A very early variety, of dwarf and compact habit, with firm, white head.	Per pkt. 20	1.50
LARGE ASIATIC. A large, well-known variety.	Per pkt. 10	.60
WALCHEREN. A very hardy variety; close, compact head.	Per pkt. 10	1.00

		Per Oz. Price.
LENORMANDS.	Heads large, compact, and fine flavor ; a superior variety. Per pkt. 25	2.00
	SHORT STEMMED. New ; extra fine. Per pkt. 25 ; 1/2 oz. \$1.75	3.00
WAITE'S ALMA.	A variety of large size, and very firm. Per pkt. 15	1.25

CARROT (DAUCUS CAROTA). German, *Mohre*.

The ground should be stirred to the depth of twelve to eighteen inches, the deeper the better, incorporated with a liberal application of well-rotted manure, pulverizing the soil in the operation. The seed may be sown from the 1st of April to the 20th of May ; early sowing succeeds best. The drills should be one inch in depth, and from twelve to fifteen inches apart. The plants should stand from four to five inches apart.

EARLIEST FRENCH SHORT HORN.	Short root ; very early ; small size and excellent flavor. Fine for forcing. Per pkt. 10	.25
IMPROVED LONG ORANGE.	Large, and of a deep orange color ; the best for general cultivation. Per pkt. 5	.15
ALTRINGHAM.	Flesh bright and lively, crisp and breaking in its texture ; an excellent variety for stock. Per pkt. 5	.15
IMPROVED WHITE BELGIAN GREEN-TOP.	Perfectly smooth, cylindrical, and regularly tapering to a rather stump point ; easily pulled out ; a profitable crop for cattle. Per pkt. 5	.15
LARGE ORANGE BELGIAN GREEN-TOP.	Similar to the above ; differing in color ; fine for cattle. Per pkt. 5	.15

CELERY (APIUM GRAVEOLENS). German, *Seleri*.

The seeds should be sown in hot-beds in March, or in the open ground about the first of May. When sown in the open ground it vegetates very slowly, often remaining in the ground several weeks before it comes up. As soon as the young plants are about three inches high, prepare a small bed in the open ground, and make it rich, and the earth fine. Here set out the plants for a temporary growth, placing them four inches apart. In this bed the plants should remain till the beginning or middle of July, when they should be removed into trenches a foot or fifteen inches deep, and a foot wide, and five feet apart. At the bottom of the trench put some good, rich, well-decomposed manure, covering the manure with four inches of earth ; then take up the plants from the temporary bed, and set them out carefully in the bottom of the trenches, six or eight inches apart. When well matured, ridge up the plants with soil, being careful not to cover the Celery when in a wet or damp state.

COLE'S CRYSTAL WHITE.	Dwarf, solid, crisp, fine. Per pkt. 5	.30
" SUPERB RED.	Dwarf, crisp, fine flavored. Per pkt. 5	.30
SEALEY'S LEVIATHAN.	A large, solid, white variety. Per pkt. 5	.30
LAING'S IMPROVED MAMMOTH RED.	Perfectly solid ; color, bright red ; flavor unsurpassed, if equalled. Per pkt. 5	.30
NONESUCH RED.	Very late ; walnut flavor ; solid, crisp. Per pkt. 5	.30
TURNER'S INCOMPARABLE.	Dwarf white variety, of close habit ; solid, crisp, and juicy. Per pkt. 5	.30
CARTER'S INCOMPARABLE DWARF DARK CRIMSON.	Dwarf, very solid ; deep crimson color ; fine, nutty flavor. Per pkt. 10	.30
TURNIP-ROOTED.	Flesh white and fine-grained. Per pkt. 5	.30
SOUP CELERY SEED.	For flavoring soups, etc. Per lb. \$1.00	.10

CHICCORY (CICHORIUM INTYBUS).

Is much used in Europe as a substitute for coffee. It may be raised to good advantage, as its culture is simple. In the fall the roots require to be taken up, and cut in small pieces, and put where they will dry. When required for use, it should be roasted and ground like coffee. Requires similar treatment to carrots.

LARGE ROOTED, FOR COFFEE.	Per pkt. 5	.10
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CORN (ZEA MAY). German, *Welschcorn*.Per Qt.
Price.

The following varieties will be found all that is necessary for a supply during the season :

EARLY CONCORD. The stalks are strong, stocky, and vigorous, growing seven to seven and a half feet ; producing two or three ears on a stalk ; ears sit rather low, and having from twelve to sixteen usually, and occasionally twenty, rows on the ear ; color, when fit for the table, very white and handsome ; quality superior, not surpassed by any other variety ; size of ears large, considerably larger than the Crosby ; and superior to any other, either for the market or family use. Per pkt. 10 ; per pint, 25.....	.50
EARLY MINNESOTA. Very early, good ; rather dwarf. Per pkt. 10.....	.40
DARLING'S EXTRA EARLY SUGAR. Early, tender and sugary ; yields well, produces little fodder. Per pkt. 10.....	.40
CROSBY'S, OR BOSTON MARKET. Twelve-rowed, the earliest of the large varieties ; the best in cultivation. Per pkt. 10.....	.40
STOWELL'S EVERGREEN. Very tender and sugary ; very reliable for a late crop ; sow about the first of July. Per pkt. 10.....	.40
NONPAREIL, OR POP-CORN. A fine parching variety. Per pkt. 10....	.50

CRESS, OR PEPPERGRASS (LEPIDIUM SATIVUM). German, *Kresse*.

Sow rather thick, in shallow drills, and at short intervals during the season. The Water-cress requires to be grown on the edge of a running stream or brook, where it does not freeze too hard during the winter. The leaves, while young, have a warm, pungent taste ; and are eaten as salad, either separately, or mixed with Lettuce or other salad plants.

CURLED. A well-known variety for salads. Per pkt. 5.....	Per Oz. .10
AUSTRALIAN OR GOLDEN. Fine piquant flavor. Per pkt. 5.....	.10
WATER. An aquatic plant, with small, oval leaves and prostrate habit ; leaves are used as an early spring salad. Per pkt. 10.....	.60

CORN SALAD, or FETTICUS (VELERIAN LOCUSTA).German, *Lammersalat*.

An annual plant cultivated for its tender leaves ; esteemed as a winter or early-spring salad. The seed is sown in shallow drills, early in September. On approach of winter, cover the plants lightly with straw. Per pkt. 5.....

.15

CUCUMBER (CUCUMIS SATIVUS). German, *Gurke*.

Culture in the open air is of the simplest character. Dig a hole about eight inches wide and one foot deep ; fill it three-fourths full of decomposed manure ; raise it above the surface about six inches. The hills should be six feet apart each way. Any time in May sow a few seeds therein ; cover half an inch deep, and press the earth smoothly over. Frequently a little bug preys upon the tender leaves ; soot and wood ashes sprinkled over them, while wet with the dew, will retard the progress of the depredator. When all danger from bugs and worms is past, thin out, leaving but three or four of the strongest plants on each hill. That the amateur cultivator may have them early for family use, prepare a frame, following the instructions laid down for hot-beds. In two or three days the earth will be sufficiently warm for sowing the seeds. If the plants are to be removed into other frames, sow them in pots ; if not, sow them in a hill made in the centre of the bed. Cover the sash at night with straw, mats, or any similar protection and surround the bed with litter or boards, to protect it from the piercing winds. During their growth, admit air every day at the back of the frame, giving as much light as possible to the young plants. Give them water in the forenoon, which has been kept in the bed during the night that it may be in a warm state. The requisite temperature of the bed at night, from 65° to 75° ; day, 75° to 100°.

EARLY RUSSIAN. Fruit from three to four inches long, produced in pairs. Flesh tender, crisp, and well-flavored. Per pkt. 5.....	.20
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CUCUMBER—CONTINUED.

	Per Oz. Price.
EARLY CLUSTER. Fruit in clusters near the root. Skin, prickly; flesh white, seedy, tender, well-flavored. Per pkt. 5-----	.15
EARLY FRAME. Fruit, straight and well-formed; flesh greenish-white, tender, and of an agreeable flavor. Per pkt. 5-----	.15
EARLY WHITE SPINE. Medium size, straight, and well-formed; skin deep-green; pickles, white; flesh, white, tender, crispy, and fine flavor; very productive. Per pkt. 5-----	.15
LONG GREEN PRICKLY. Large size; somewhat later than White Spine; skin, dark green; flesh white, crisp, tender; hardy, productive. Per pkt. 5-----	.20
WEST-INDIA GHERKINS. Used only for pickles. Per pkt. 15-----	
ENGLISH GHERKINS. Fine for the table or pickles. Per pkt. 10-----	

ENGLISH FRAME CUCUMBERS.

Varieties best adapted for forcing. Each, per packet, 25 cents.

These are deserving a more extended cultivation. The varieties are very choice, and, when once introduced, become general favorites.

CUTHILL'S BLACK SPINE.	LATTER'S VICTORY OF ENG-
GENERAL GRANT.	LAND.
HAMILTON'S MARKET FAVOR-	RLYNCH'S STAR OF THE WEST.
ITE.	PEARSON'S LONG GUN.
HOLLISON'S TELEGRAPH.	SION HOUSE IMPROVED.

EGG-PLANT. German, *Cirpflunze*.

Sow thickly on a hot-bed for early crops, or early in the spring, in a warm, sheltered, dry situation, open ground, where they can be protected by hand-glasses. When the plants are three or four inches high, and the warm weather has set in, transplant them in well-enriched ground, about thirty inches apart each way. Draw earth to the plants as they advance in growth. At the South, it is called "Guinea Squash."

EARLY LONG PURPLE. Superior quality, productive. Per pkt. 5-----	.40
IMPROVED NEW YORK PURPLE. It grows to a large size; oval shape, and dark-purple color. Per pkt. 5-----	.50
GUADALOUPE STRIPED. White, variegated with purple. Per pkt. 10--	
PEKIN BLACK. Large, round, weighing 6 to 8 lbs. Per pkt. 15-----	1.00

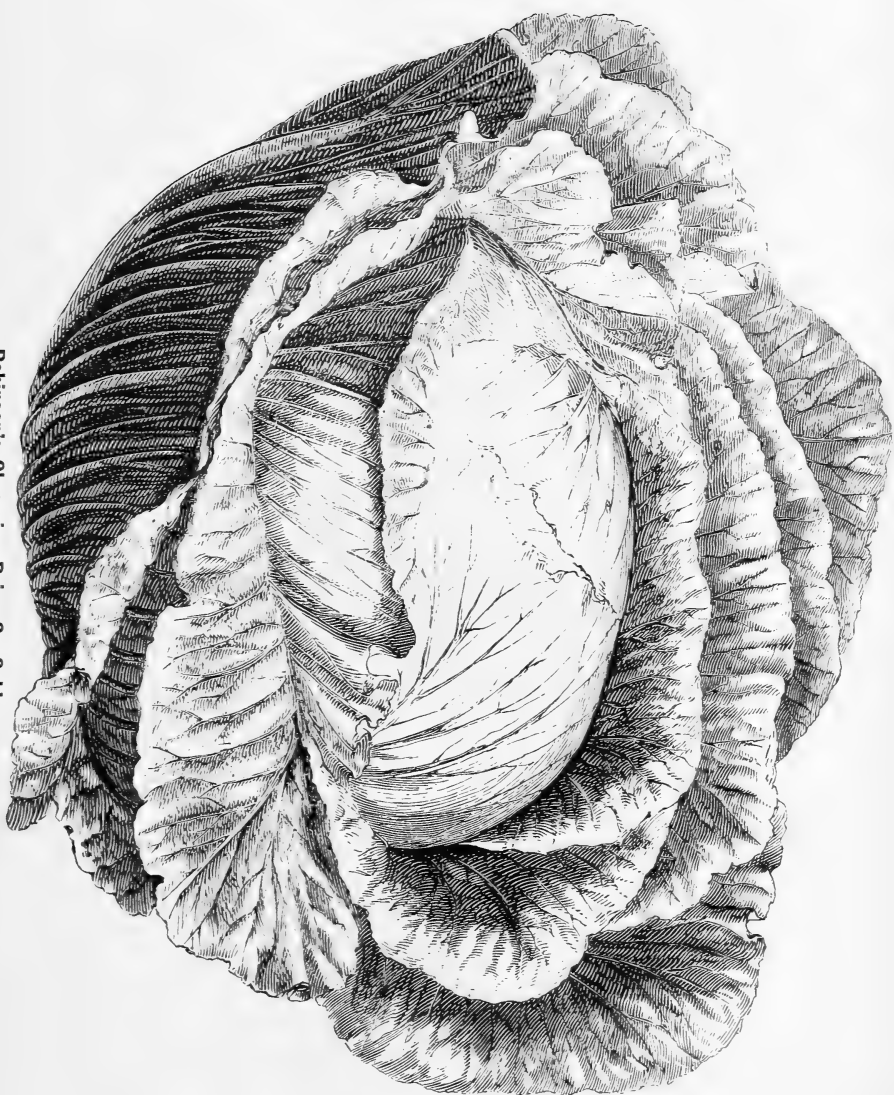
ENDIVE. German, *Endiven*.

For a summer crop, sow at intervals during the season, making the first sowing about the first week in May; when the plants are three to four inches high, thin out, or transplant them; blanch by tying up as for Cos Lettuce. For winter use, sow in August, in a sheltered situation; transplant into a frame where they can be protected from frost, and blanch by covering with a flower-pot.

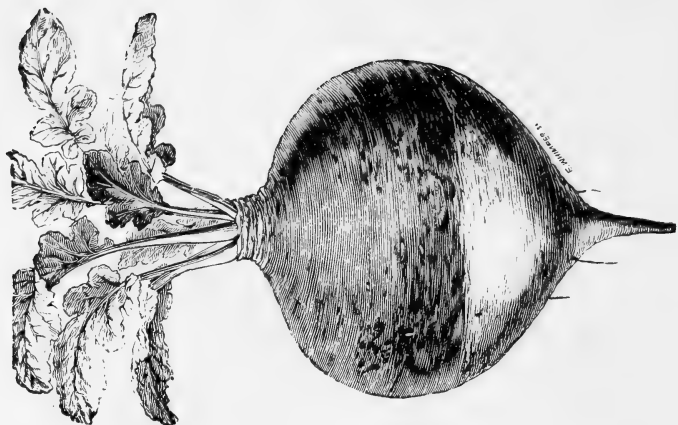
DIGSWELL PRIZE. Hardy, well adapted for winter use; very superior. Per pkt. 5-----	.35
FINE CURLED, OR MOSS. Very fine, resembling moss. Per pkt. 5-----	.35

KOHL-RABI, or TURNIP-ROOTED CABBAGE. German, *Kohl-rabiuber*.

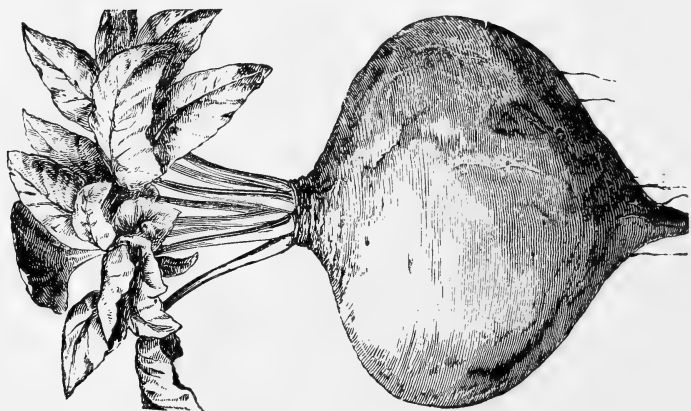
The Kohl-Rabi is a vegetable intermediate between the Cabbage and the Turnip. The stem, just above the surface of the ground, swells into a round, fleshy bulb, in form not unlike a turnip; on the top, and about the surface of this bulb, are put forth its leaves, which are similar to those of the Swedish Turnip. The part used is the turnip-looking bulb formed by the swelling of the stem. When young, the flesh is tender and delicate, possessing the combined flavor of the Cabbage and Turnip. Cultivate as Cabbage; only, in earthing up the plant, be careful not to cover the globular part. They should not be used before they have attained their full growth.



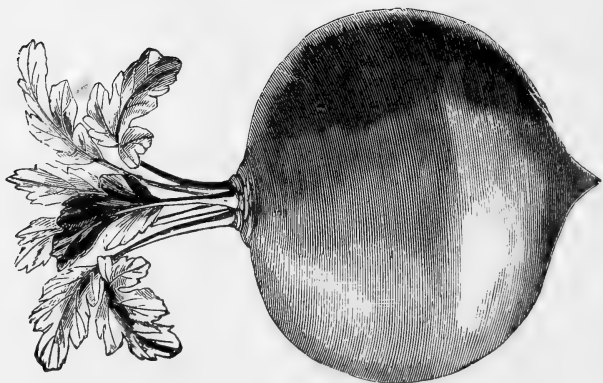
Robinson's Champion Prize Ox Cabbage.



Carter's Imperial Hardy Swede Turnip.
PAGE 68.



White Norfolk Turnip.
PAGE 68.



Champion Orange Globe Mangel Wurzel.
PAGE 54.

KOHL-RABI—CONTINUED.

Per Oz.
Price.

EARLY WHITE VIENNA. Early and fine. Per pkt. 5 .....	.20
“ PURPLE VIENNA. Similar to the preceding. Per pkt. 5 .....	.20
CARTER'S IMPERIAL. Large, green, for cattle. Per pkt. 5 .....	.20

LEEK (ALLUM PORRUM). German, *Lauch*.

Leeks require the ground well worked, and manured the full depth of the spade. Sow the seed thinly on a small bed of light rich ground, in drills six inches apart, and half an inch deep. When about eight inches high they will be of sufficient size to plant out in drills a foot apart, and as deep as the hoe will go; shorten their roots about an inch from the plant, and cut two inches or more from the extremity of the leaves. Choose moist or cloudy weather for the operation, but, if dry, give the plants a copious watering; and, as the plants grow, draw the soil around them.

LARGE LONDON. Is hardy, and cultivated in this country more than any other variety. Per pkt. 10 .....	.30
MUSSELBURG. Very superior; may be grown to the weight of three or four pounds. Per pkt. 10 .....	.30
AYRTON CASTLE. A superior large variety; growing to a mammoth size. Per pkt. 10 .....	.50

LETTUCE (LACTUCE SATIVA). German, *Lattich*.

The Lettuce is divided into two classes, viz.: the Cabbage Lettuces and Cos Lettuces. The Cabbage have round heads and broad-spreading leaves; the Cos varieties have long heads and upright, oblong leaves. A very rich soil is necessary to produce fine Lettuce. Its crisp and tender quality depends on a luxuriant and vigorous growth. The earliest sowing may be made in February or March, under glass, with slight heat. Keep the plants thin, and admit plenty of air to the frame every fine day. For later supplies, sow in the open ground as soon as the season will permit; transplant or thin out the plants gradually to a foot apart, and keep well cultivated. The Cos Lettuces are excellent, if grown early in the spring, but run to seed quickly in hot weather. The large cabbage kinds are the best, and most suitable for summer crops.

ALL THE YEAR ROUND. A very hardy, compact-growing Cabbage Lettuce, with small, close heads, of dark green color; stands our hot summers well. Per pkt. 15 .....	.75
BUNNEY'S INCOMPARABLE. Compact, large growing, crisp, fine flavor; stands the summer well, when others run to seed. Per pkt. 15 .....	.75
EARLY CURLED SILESIA. Very early; the best for forcing and the first spring sowing; tender, excellent flavor. Per pkt. 5 .....	.25
“ TENNISBALL. One of the best for early use. Per pkt. 5 .....	.25
“ DRUMHEAD, OR MALTA. Head, large, compact, crisp and tender; fine summer variety. Per pkt. 5 .....	.25
NONESUCH. Excellent, early variety; heads, large solid. Per pkt. 5 .....	.30
LARGE INDIA. Similar to the Curled Silesia; heads, round, crispy and fine flavor. Per pkt. 5 .....	.30
BROWN DUTCH. Very hardy, enduring the winter with protection; heads medium size, good flavor; sow in the autumn. Per pkt. 10 .....	.40
VICTORIA CABBAGE. An early and hardy variety; heads freely, and is crisp and well-flavored; plant early. Per pkt. 5 .....	.25
WHITE PARIS COS. Tender, brittle and mild flavored. Per pkt. 10 .....	.30
CARTER'S GIANT BROWN COS. Best, large, crisp, well-flavored. Per pkt. 15 .....	.75
“ “ WHITE COS. Best White Cos known, as regards size, crispness and flavor. Per pkt. 15 .....	.75

MANGEL-WURZEL (BETA VULGARIS.)

These are grown principally for feeding stock, and have not received that attention by stock-raisers they are entitled to; as winter-feed for cattle, mixed with corn, they are invaluable.

MANGEL-WURZEL — CONTINUED.

	Per Oz. Price.
CARTER'S MAMMOTH LONG RED. A large, long variety; stands well out of the ground; very productive. Per lb. 75 cts. ....	.10
" CHAMPION ORANGE GLOBE. A large, round, orange-colored variety; adapted for shallow ground. Per lb. 75 cts. ....	.10
" IMPROVED RED GLOBE. Suitable for strong land. Per lb. 75 cts. ....	.10
" ELVETHAM LONG YELLOW. Suitable for rich, deep, soil. Per lb. 75 cts. ....	.10

MARTYNIA (MARTYNIA PROBOSCIDA).

The Martynia is of easy culture. The plants are large and spreading; should be two and a half feet apart in each direction. The seeds may be sown in April or May, in the open ground, where they are to remain; or sow earlier in a hot-bed and transplant.

MARTYNIA PROBOSCIDA. For pickles. Per pkt. 10.50
---	-----

MELON, MUSK VARIETIES (CUCUMIS MELO).

German, *Melone*.

Plant in hills six feet apart each way, eight or ten seeds in each, and thin out to three or four plants when in a state of forwardness. The hills should be prepared by digging out the soil from one and a half to two feet deep, and two to three feet broad. Add a liberal quantity of the best decomposed stable manure, and mix well with the soil, filling up a little above the general level. Seeds should not be put into the hills until the weather becomes settled and warm. The delicious flavor and perfume of melons make them very popular in all countries where the climate will admit of their cultivation.

CHRISTIANA. Flesh yellow, sweet, juicy, good quality; early. Per pkt. 5. ....	.25
GREEN CITRON. Flesh green, quite thick, rich, sugary flavor; early; a very popular variety. Per pkt. 5. ....	.20
NUTMEG. Good size, thickly netted; flesh light green, rich, sweet and melting. Per pkt. 5. ....	.20
PINE-APPLE. Form roundish; flesh green, melting, sweet and perfumed; early and productive. Per pkt. 5. ....	.20
PERSIAN. Long; skin very thin and delicate; flesh green, tender, rich and sweet. Per pkt. 5. ....	.20
LARGE MUSK. Large, long, oval shape; flesh thick, yellow, sweet and juicy, with musky flavor; early and productive. Per pkt. 5. ....	.20
WHITE JAPAN. The sweetest of the Musk-melons; cream-white; flesh thick; size medium, and nearly round. Per pkt. 10. ....	.30

WATER MELON.

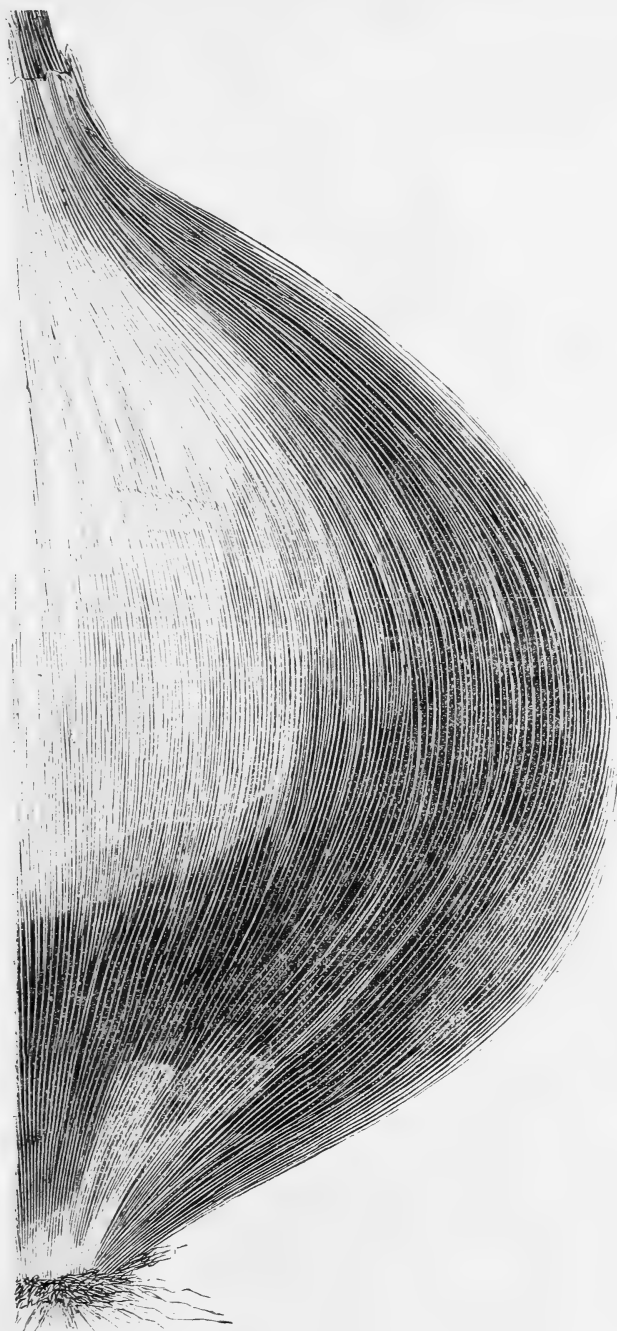
The same rules for the cultivation of the Musk-melon apply to these.

MOUNTAIN SWEET. A large, long, oval variety; dark green; flesh scarlet, and quite solid; very sweet and delicious. Per pkt. 5. ....	.10
BLACK SPANISH. Form oblong; large; skin dark green; flesh deep red, fine grained, sugary, and of excellent flavor. Per pkt. 5. ....	.15
ORANGE. Oval, of medium size; flesh red, tender and sweet; the rind separates readily from the flesh. Per pkt. 10. ....	.25
CITRON (FOR PRESERVES). Round, medium; flesh white, solid. Per pkt. 5. ....	.25

MUSTARD (SINAPIS VAR). German, *Senf*.

This salad is cultivated in the same manner as Cress, — at all times of the year, sowing every week, or, for early use, in hot-beds. The seeds should be covered slightly, and frequently watered, as moisture is indispensable to its growth. Sow in drills, rather thick, and cut for use when young.

	Per Lb.
WHITE, OR YELLOW. For salads or medicine. Per pkt. 5; per oz. 10. ....	.50
BROWN, OR BLACK. For culinary use. Per pkt. 5; per oz. 10. ....	.50



NEW GIANT ROCCA ONION.
OF NAPLES.

(See page 56.)

OKRA, OR GUMBQ (HIBISCUS ESCULENTUS).German, *Essbarer Hibiscus*.Per Oz.
Price.

The seeds are sown thinly, on dry, warm soil, in shallow drills, two feet apart. Cover the seeds lightly. After the plants are up, thin them out to nine inches apart; hoe freely, and draw a little earth to the stems as they continue to grow. Gather the pods when quite green, and about an inch and a half long. The green seed-pods are used in soups, and deemed a luxury.

LONG GREEN. Pods long and ribbed. Per pkt. 5.....	.10
IMPROVED DWARF GREEN. Pods small-sized, smooth, green and round. Per pkt. 5.....	.10

ONION (ALLIUM CEPA). German, *Zwiebel*.

The soil in general can not be too rich; it requires more or less manure for every crop. Previous to sowing, the ground should be thoroughly spaded over, or deeply plowed, and the surface made smooth and even. The seed should be sown early in spring, in drills fourteen inches apart and half an inch in depth. When the plants are three or four inches high, thin them out to two inches apart. If the weather is moist the thinning may be transplanted.

To grow onions for pickling, sow the seed thinly in March or April. No further culture is required, except hand-weeding, as their thickness in the bed will prevent their growing large, and will cause them to come to maturity sooner.

EARLY RED. Close-grained, mild, and a good keeper. Per pkt. 5c.....	.25
LARGE RED WETHERSFIELD. Large-sized; skin deep purplish-red; flesh, purplish white; fine grained; very productive, and one of the best to keep. Per pkt. 5.....	.20
DANVERS YELLOW. Skin, yellowish brown; flesh white, well-flavored; very productive; most popular for general use. Per pkt. 5.....	.30
YELLOW FLAT DUTCH. Flesh white, fine-grained, mild, well-flavored; an excellent keeping variety. Per pkt. 10.....	.20
EARLY WHITE SILVER SKIN. A French variety; early, medium size, delicate flavor. Per pkt. 10.....	.40
WHITE PORTUGAL OR SPANISH. A very large, flat onion, of a mild flavor; fine for early winter use. Per pkt. 10.....	.40

The following new varieties of Onions, having been proved by me on trial here last season, and the result is very gratifying. I offer them with confidence. They require deep, rich soil, and good culture.

NEW GIANT ROCCA, OF NAPLES. A large onion, of globular shape and light-brown skin. Per pkt. 10.....	.50
EARLY WHITE NAPLES. A distinct variety, of quick growth, and mild flavor. Per pkt. 10.....	.50
ITALIAN RED TRIPOLI. May be sown in the spring, but make much larger Onions if sown in August and transplanted the following spring in Southern States. Fall sowing and transplanting would scarcely suc- ceed in our Northern latitudes. Per pkt. 10.....	.50
GIANT WHITE TRIPOLI. The same treatment as recommended for the Red Tripoli applies to this variety. Per pkt. 10.....	.50
MARZAGOLE. This desirable novelty is offered for the first time this season. It is said to be by far the earliest in cultivation, if sown in Spring, and if sown in Autumn, will come into use early in March. Per pkt. 20....	.75

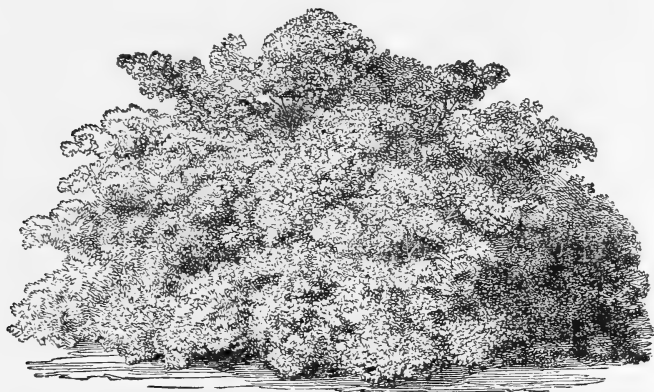
PARSLEY (APIUM PETROSELINUM). German, *Petersilie*.

Sow in drills, half an inch deep, early in April. The seed being slow to veg-
etate, it is well to soak it in moderate warm water for twenty-four hours. These
drills may form an edging round any compartment of vegetables, or along the
walks. When the plants are three or four inches high, thin them to six inches
apart. Keep from severe frost, and it will grow the whole winter.

PARSLEY—CONTINUED.

Per Oz.
Price.

CARTER'S CHAMPION MOSS-CURLED. A dwarf variety; leaves beautifully crimped and curled. Fine for garnishing. Per pkt. 5-----	.15
DUNNETT'S SELECTED. The most elegant curled Parsley grown; superior for garnishing. Per pkt. 5-----	.10
MYATT'S GARNISHING. Bright green; finely curled. Per pkt. 5-----	.10



CHAMPION MOSS - CURLED PARSLEY.

PARSNIP (*PASTINACA SATIVA*). German, *Pastinake*.

Succeeds well in a rich, sandy loam; manured the year previous is best. Sow early in the spring, in drills fifteen inches apart and one inch deep; scatter the seeds thinly, and cover evenly. After the appearance of the seed the soil must be stirred with the hoe frequently, until the leaves cover the ground. Every one having a garden or field should grow them; if not wanted for table use, your cattle would be grateful for them. They will stand any severity of frost.

HOLLOW CROWN. The best variety for stock or table. Grows mostly below the surface. Per pkt. 5-----	.10
THE STUDENT. Not so long as the preceding; tapers rapidly from top to bottom. Delicious flavor. Per pkt. 5-----	.10

PEAS (*PISUM SATIVUM*). German, *Erbse*.

The planting for an early crop of garden Peas should be made in the spring, as soon as the ground can be worked, in a warm, dry situation, and covered about three inches in heavy soils, and five to six inches in light soil. At the South, where they will endure the winter, the planting for the first crop is made in October and November. The ground should be manured the year previous, or the peas are apt to grow too much to straw. They are usually planted from three to four feet apart. The large and later sorts do better at a greater distance, leaving a broad space for planting low-growing vegetables between. For a late crop, sow the last of July with the early varieties, and they will come into bearing before the early frosts. They should be kept clean, and earthed up in their growth. From one to two bushels are generally required to an acre. One quart of the smaller sorts will sow about one hundred and twenty feet, and of the larger sorts about two hundred feet, of drill.

Free by mail at these prices.



THE COOK'S FAVORITE PEA.

(See page 59.)

NEW PEAS.

Per Pkt.
Price.

I can only give the raisers descriptions of the following new varieties. I have imported a limited quantity for trial here, and can only offer them in packets.

LAXTONS "QUANTITY." A richly-flavored, second early wrinkled marrow, selected from Laxton's Quality for its <i>robust</i> habit and <i>extreme productiveness</i> ; it also differs in the shape of its <i>fine long pods</i> . Laxton's Quality and Laxton's Quantity are two varieties of good constitution, very much superior in flavor and productiveness to the second early or main crop wrinkled Peas, such as Eugenie and Champion of England Peas, and we have no doubt will, as they become known, supersede these varieties in public favor from their handsome pods. Per pkt. ....	.25
LAXTON'S QUALITY PEA. A second early wrinkled Pea of great productiveness and fine flavor; is a great improvement on all the second early wrinkled Peas at present in cultivation. The two sorts we now offer (Quality and Quantity), combine all the necessary requisites of useful, fine-flavored garden Peas. Per pkt. ....	.25
"BLUE PETER." Blue Peter is a remarkably dwarf variety <i>not over 6 inches high</i> , dark green foliage, a splendid bearer, and of exquisite flavor, with large, well filled pods—a <i>decided improvement on Little Gem</i> . Per pkt. ....	.50
KENTISH INVICTA is a round blue Pea, about "two feet" in height, with straight, handsome, well-filled pods; is earlier than the best stocks of Daniel O'Rourke, whilst the fact of its being a "Blue" Pea proclaims it to be infinitely superior in flavor to any white variety in cultivation. Per pkt. ....	.20

THE EARLIEST ROUND-SEEDED PEAS.

CARTER'S FIRST CROP, OR SUTTON'S RINGLEADER. It is the earliest Pea grown. Very prolific. 2½ feet. Per pkt. 10.....	.50
DANIEL O'ROURKE. An old favorite, good cropper, Per pkt. 10.....	.40
TOM THUMB, AMERICAN. An excellent Pea for forcing; an abundant cropper. Very dwarf; 1 foot. Per pkt. 10.....	.60

SECOND EARLY ROUND-SEEDED PEAS.

BISHOP'S NEW LONG-PODDED. Good quality, early and prolific. 2 feet. Per pkt. 10.....	.50
BLUE SURPRISE, CARTER'S. Fine flavored, and a good cropper. 4 feet. Per pkt. 10.....	.40
THE COOK'S FAVORITE, NEW. Slightly curved, remarkably fine pods; peas, when boiled, of a fine dark green color; will become the most popular peas for general use. 4 feet. Per pkt. 20.....	1.00
PRINCESS ROYAL. Productive, with long, well-filled pods. 1½ feet. Per pkt. 15.....	.50
LAXTON'S EARLY PROLIFIC LONG POD. For a second early Pea, there is no Pea of a similar class in cultivation to equal it. Very prolific. 4 feet. Per pkt. 15.....	.70
BURBIDGE'S ECLIPSE. Dwarf, blue variety; good cropper and most excellent flavor. 2 feet. Per pkt. 10.....	.50
FLACK'S VICTORY. Blue. Productive; fine. 3 feet. Per pkt. 10.....	.40
WATERLOO MARROW. Large pods, fine flavor, and very productive. 6 feet. Per pkt. 10.....	.40
DWARF WATERLOO. A valuable dwarf Pea for general and late cropping; of rich marrow flavor, and very productive. 15 inches. Per pkt. 15.....	.75
ALPHA, NEW. This Pea, introduced in the spring of 1870, has fully justified the high opinion formed of it. Laxton's Alpha must, for its obvious good qualities, be set down as a decided acquisition to our first early Peas. Though growing from 2½ to 3 feet in an almost unexampled dry season, it yet turned in only three days later than First Crop or Ringleader. This season the pods were fit to gather some four days before those of Daniel O'Rourke; no doubt it is fully as early as that variety, with the advantage of possessing a higher quality. Per pkt. 25.....	1.50

EARLIEST WRINKLED MARROW.Per Qt.
Price.

LAXTON'S SUPREME, NEW. Green, excellent quality, very long, well-filled curved pods. A grand pea. $3\frac{1}{2}$ feet. Per pkt. 20 .....	.75
McLEAN'S LITTLE GEM. Dwarf, prolific, green, wrinkled Marrow; habit similar to Tom Thumb, and is a first early. Most useful and fine flavored variety. 1 foot. Per pkt. 20 .....	.65
McLEAN'S ADVANCER. Green wrinkled Marrow, of fine flavor; long pods, well-filled; very prolific. 3 feet. Per pkt. 10 .....	.50
CHAMPION OF ENGLAND. One of the best peas in cultivation; abundant cropper; fine flavored. 4 feet. Per pkt. 10 .....	.40
NAPOLEON, OR CLIMAX. Pods of a dark green color; very productive and fine. Per pkt. 10 .....	.50
McLEAN'S EPICUREAN. Fine, long dark-colored pods, of delicious flavor and very productive. 2 feet. Per pkt. 10 .....	.60

WRINKLED MARROWS; THE BEST FOR MAIN CROP.

ALLIANCE, OR EUGENIE. Pale - green foliage; pods single, or in pairs, containing five or six peas. 4 feet. Per pkt. 10 .....	.50
KING OF THE MARROWS. A strong grower, of branching habit; long, well-filled pods; produced in abundance. 6 feet. Per pkt. 10 .....	.50
McLEAN'S WONDERFUL. The best dwarf late Pea in cultivation; large, well-filled pods; fine, sugary flavor, and great productiveness. 2 feet. Per pkt. 15 .....	.75
YORKSHIRE HERO. A fine, large dwarf, wrinkled variety; very productive, peas large, pods well-filled, and of most excellent flavor. 2 feet. Per pkt. 15 .....	.75

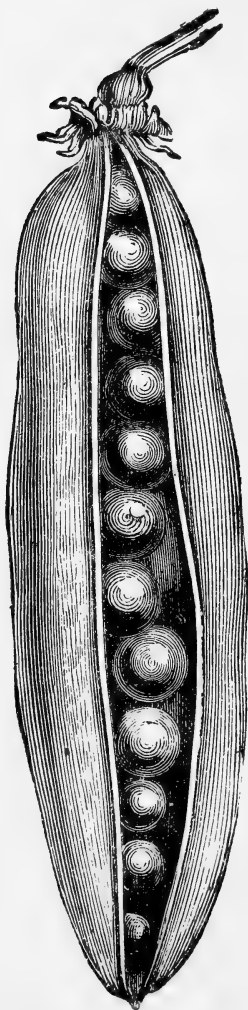
EDIBLE-PODDED, or SUGAR PEAS.

TALL. Edible-podded sugar peas. 5 feet. Per pkt. 15 .....	.60
KNIGHT'S DWARF. Edible-podded. 3 feet. Per pkt. 15 .....	.60

PEPPER (CAPSICUM). German, Pfeffer. Per Oz.

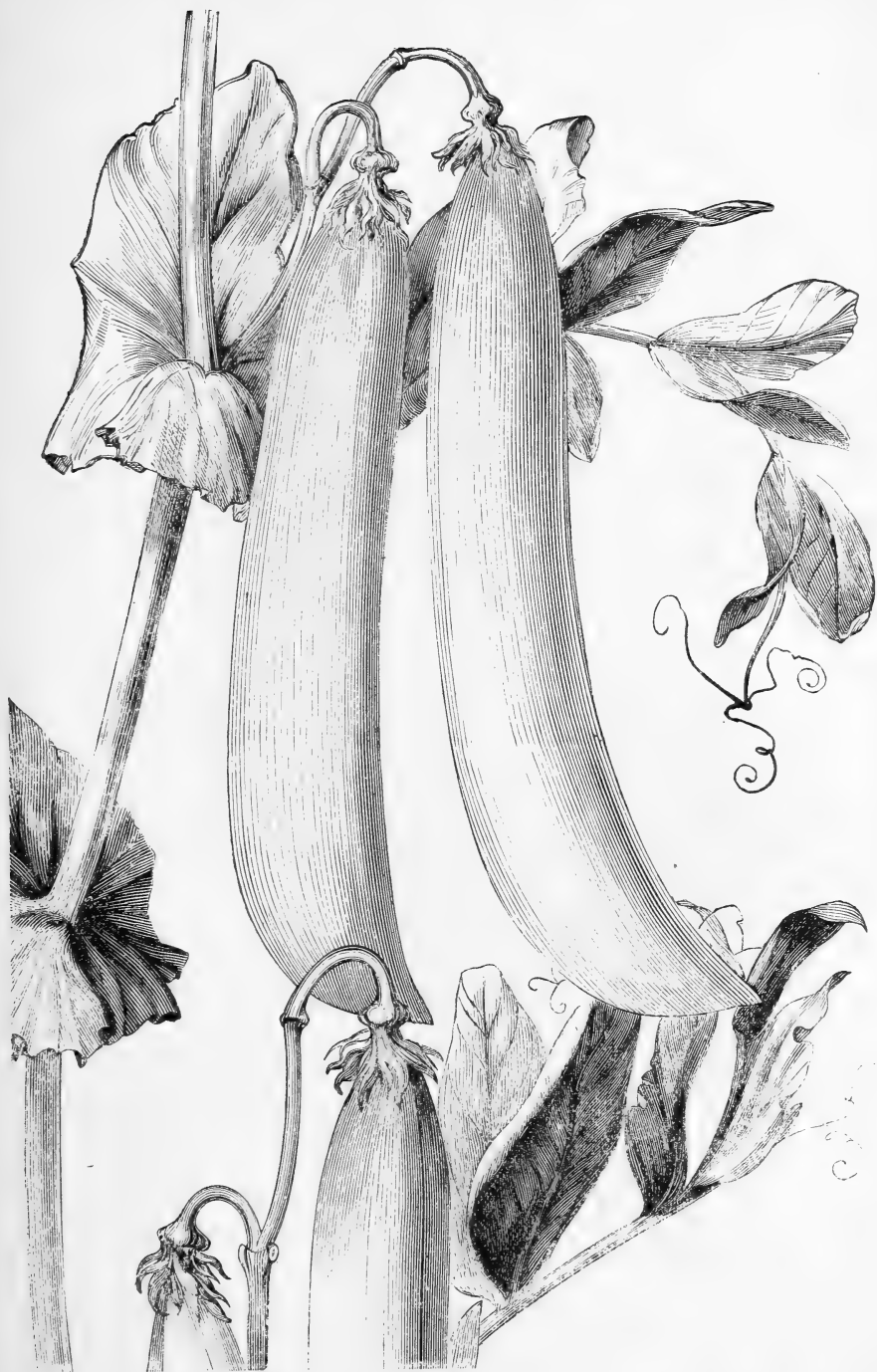
Sow in a hot-bed, early in April, if you have one, or select a warm, sheltered situation in the garden, in shallow drills six inches apart, and transplant to the open ground when summer weather has commenced. The plants should be set in rows sixteen inches apart, and about the same distance apart in the rows.

CAYENNE. Small, cone-shaped, coral red, when ripe. The cayenne pepper of commerce. Per pkt. 10 .....	.60
CHERRY. Fruit erect, cherry form, and a deep, rich, glossy scarlet color; remarkable for its intense piquancy. Per pkt. 5 .....	.30
SQUASH. For pickles; fruit more or less ribbed; skin smooth and glossy; flesh thick, mild and pleasant to the taste. Per pkt. 5 .....	.50
SWEET MOUNTAIN, OR MAMMOTH. Similar to the preceding in form and color, but larger. Per pkt. 5 .....	.50



LAXTON'S PROLIFIC
LONG-PODDED PEA.

(See page 59.)



LAXTON'S SUPREME PEA.

(See page 6c.)

PUMPKIN (*CUCURBITA PEPO*). German, *K'urbis*.Per Oz.
Price.

Are generally raised on cultivated farms, between hills of Indian Corn, and may be planted with success in fields by themselves.

CHEESE, MEDIUM-SIZED. One of the best varieties for field culture.

Per lb. \$1.00; per pkt. 5 ----- .10

LARGE YELLOW. Finest family Pumpkin. Grows to a large size; fruit ribbed. Per pkt. 5; per lb. 50 ----- .10

RADISH (*RHAPHANUS SATIVUS*). German, *Rettig Radies*.

For early crops, sow in spring, as soon as the ground can be worked, in light, rich soil; for later crops a deep moist soil is preferable. Sow the seed thinly, in beds or drills, covering them with about a quarter of an inch of fine earth. The plants should be frequently watered in dry weather. For early use, sow in gentle hot-beds. The great aim in raising Radishes is to grow them quick; if not successful in this point, they are tough and worthless. A trite saying amongst gardeners; a man that can grow Radishes can grow any other crop. The Black Spanish and China varieties may be sown in the fall with Turnips; it is said to improve their flavor, and saves the Turnip from the Black Aphs.

COVENT GARDEN LONG SCARLET SHORT TOP. The earliest and finest variety grown. Per pkt. 5 ----- .10

WOOD'S EARLY FRAME. Scarlet; tender; fine for hot-beds, frame and open ground. Per pkt. 5 ----- .10

SCARLET TURNIP. Rich color, crisp and tender. Per pkt. 5 ----- .10

WHITE TURNIP. Flesh white and semi-transparent. Per pkt. 5 ----- .10

YELLOW TURNIP. The flesh is mild, crisp and solid. Per pkt. 5 ----- .15

SCARLET OLIVE-SHAPED. Skin fine scarlet; flesh rose colored, tender, excellent; well adapted for forcing. Per pkt. 5 ----- .10

LONG WHITE NAPLES. A beautiful, long, clear, white Radish, tinged with green at the top; excellent. Per pkt. 5 ----- .15

BLACK SPANISH. Excellent; large, black; winter sort. Per pkt. 5 ----- .10

ROSE-COLORED CHINA WINTER. Fine, of a bright rose-color; flesh firm. Per pkt. 10 ----- .20

FRENCH BREAKFAST. Oval form; color scarlet, tipped with white; fine flavor. Per pkt. 5 ----- .15

RHUBARB (*RHEUM HYBRIDUM*). German, *Rhubarber*.

Rhubarb succeeds best in deep, retentive soil. The richer its condition, and the deeper it is, the better. Sow in drills an inch deep. Thin out to six inches apart. In the fall trench a piece of ground and manure it well; transplant the young plants three feet apart each way. Cover with leaves or litter the first winter, and give a dressing of manure every fall. To procure an immediate crop, plant roots which are already grown.

VICTORIA. A large variety; the best for general use. Per pkt. 5 ----- .25

LINNEUS. Large, tender and fine-flavored. Per pkt. 5 ----- .25

ROYAL ALBERT. An early variety; superior quality. Per pkt. 5 ----- .25

SALSIFY, OR OYSTER PLANT (*TRAGOPOGON PORRIFOLIUS*).German, *Bocksart*.

Sow the seed in drills, half an inch deep, and ten inches apart, early in the spring, giving them the general culture of carrots. They are perfectly hardy, and may remain out all winter. Store a quantity for winter use, packed in earth or sand. When cooked, the flavor resembles the oyster, and is a good substitute for it.

SALSIFY, OR OYSTER PLANT. Per pkt. 10 ----- .20

SAVOY.

Should be sown early, and when the plants are six inches high, transplant out, to three feet apart. The Savoy has more of the richness of the Cauliflower than the Cabbage.

DRUMHEAD SAVOY. Head, large, round, compact; yellowish at the centre; excellent for winter. Per pkt. 5 ----- .20

SAVOY—CONTINUED.

Per Oz.
Price.

GREEN GLOBE, OR CURLED SAVOY. Medium size ; does not make as firm a head as some ; very tender. Per pkt. 5 .....	.20
EARLY DWARF ULM. Heads small, round, solid ; color deep-green ; first-rate quality ; valuable for small gardens. Per pkt. 10.....	.25

SEA-KALE (CRAMBE MARITIMA). German, *Selkohl Meerkoohl*.

A most delicious vegetable, is not grown so much as it should be.

Sow in April, in drills an inch and a half deep, and sixteen inches asunder, the soil well enriched and thoroughly trenched. Let the plants remain till the following spring, then transplant them in rows three feet apart, and eighteen inches apart in the rows. Late in the fall, cover the crowns of the plants with earth, making a ridge over the rows about a foot and a half high. For small gardens, plant the roots in a triangle, placing over them a barrel sawn in two, well covered with manure. This will enable you to have a very early supply. After the cutting is over in the spring, level the earth into trenches, adding a good coat of strong manure.

SEA-KALE. Per pkt. 10.....	.30
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SPINACH (SPINACIA OLERACEA). German, *Spinat*.

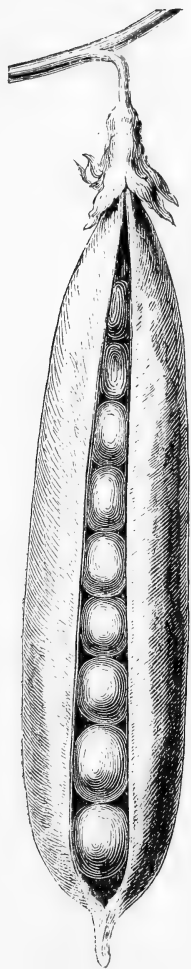
Spinach is best when grown in rich soil. Sow early in March for summer crop, in drills, which renders the cultivation more convenient. For a succession, summer varieties may be sown, at intervals of a fortnight, from April to August. Sow from the middle of August to the beginning of September for the winter crop, in light sandy soil. Thin the plants as soon as they are strong enough, leaving them about nine inches apart in the row. May be sown as an edging along the sides of the garden-walk. Two ounces of seed will plant five drills, each forty feet long.

ROUND, OR SUMMER. Grown for summer use. Per pkt. 5.....	.10
FALL, OR PRICKLY. The hardiest, used for fall planting. Per pkt. 5.....	.10
NEW ZEALAND. A large-growing variety, requiring a warm, rich soil. It grows luxuriantly, in the hottest weather. Per pkt. 10.....	.20

SQUASH (CUCURBIT MELO PEPO). German, *Kurbiss*.

They only thrive well in a warm temperature ; and the seed should not be sown in spring until all danger from frost is past. Keep the earth about the plants loose and clean, removing the surplus vines, allowing not more than three plants to a hill. They require the same culture as directed for cucumbers and melons.

YELLOW BUSH SCOLLOPED. An early, flat, scalloped-shaped sort ; color, yellow ; flesh pale yellow, tolerably fine-grained, and well flavored ; very productive. Per pkt. 5.....	.15
WHITE BUSH SCOLLOPED. Sub-variety of Yellow Bush. Per pkt. 5.....	.10
SUMMER BUSH CROOKNECK. One of the finest of the summer varieties ; color, bright yellow ; skin very warty, and easily broken ; flesh, dry and well flavored. Per pkt. 5.....	.15
BOSTON MARROW. Flesh very dry, fine grained ; for sweetness and excellence unsurpassed ; in use from August till March. Per pkt. 5.....	.15
HUBBARD. Best winter Squash : keeps till spring. Per pkt. 5.....	.20
TURBAN SQUASH. Improved. Flesh, orange-yellow, thick, fine-grained, sugary, best for fall or early winter use. Per pkt. 10.....	.35
FALL OR WINTER CROOKNECK. Flesh, salmon-red, very close-grained, dry, sweet, and fine flavored ; keeps well. Per pkt. 5.....	.15
MOORE'S VEGETABLE CREAM. A variety of the Vegetable Marrow, and recommended as a valuable acquisition. Per pkt. 15.....	.50
CUSTARD. Skin or shell, creamy white ; flesh, pale yellow ; one of the hardiest and most productive. Per pkt. 15.....	
MAMMOTH. This is the largest variety known ; and in rich soil, often grows to the weight of a hundred to a hundred and forty pounds. Per pkt. 10.....	.50



PRINCESS
ROYAL.

(See page 59.)



M^cLEAN'S EPICUREAN.

(See page 60.)



DWARF WATERLOO PEA.

(See page 59.)

STRAWBERRY SEED.Per Oz.
Price.

Saved from a large collection, embracing all the best European and American kinds in cultivation. Mixed seed. Per pkt. 25.

TOMATO (SOLANUM LYCOPERSICUM). German, *Liebesapfel*.

Sow in a hot-bed in March or April, or in pots in a warm window. They should be started as early as possible, whether by hot-bed or open-air culture. When two inches high, transplant, in single plants, to warm, light, rich soil. Water freely at the time of transplanting. Shelter from the sun for a few days. If sown in the open ground, select a sheltered situation, pulverize the soil finely, and sow in drills. This may be done about the first week in April or up to May. Transplant to where they are to remain, as before directed.

- "GENERAL GRANT." Form round, very regular, seldom wrinkled; color, brilliant crimson; flesh, firm and solid, and ripening well up to the stem. Per pkt. 5..... .30
- BOSTON MARKET. A variety extensively cultivated for the Boston Market, by market-growers, for its earliness, size, and good qualities, and is esteemed one of the best and most profitable varieties in cultivation. Per pkt. 5..... .35
- RED CURRANT. The fruits grow in long drooping racemes of a bright red color of from fifteen to twenty-five, disposed in two rows, giving them a strong resemblance to clusters of red currants. Per pkt. 10.....
- CHERRY. Red and Yellow. A small variety, growing in clusters; fine for preserving. Per pkt. 5.....
- FEEJEE. Fruit large, bright-red, sometimes ribbed, and well filled to the centre. Per pkt. 5..... .35
- KEYES' EARLY PROLIFIC. Medium size, round, of brilliant color, quite smooth, solid and of excellent flavor. Ten days earlier than any other. Per pkt. 5..... .25
- LARGE YELLOW. Semi-transparent yellow skin and yellow flesh; used for preserving and pickles. Per pkt. 5..... .35
- "SMOOTH RED. Well-known. Very large, smooth. Per pkt. 5..... .25
- LESTER'S PERFECTED. Regular; large; firm, well-flavored. Per pkt. 5..... .35
- PEAR-SHAPED SCARLET. A striking variety; the fruit about the size of a plum. Per pkt. 10.....
- RED AND YELLOW PLUM. Hardy, productive; used for preserving and pickles. Per pkt. 5.....
- STRAWBERRY OR GROUND CHERRY. This, though called a Tomato, is a distinct species; excellent for preserves. Per pkt. 10.....
- TROPHY. The largest, smoothest, most fleshy, heaviest, and best flavored of all varieties. Very early. Per pkt. 10..... .60
- TILDEN'S. Large; skin smooth, glossy, and of a bright red color; flesh, solid. Is rather dwarf in its habit. Per pkt. 5..... .35

TURNIP (BRASSICA RAPA). German, *Steckrube*.

Sow as early as the ground will allow, in drills fourteen inches apart and half an inch in depth. The young plants should be thinned to six inches apart. The sowing for the winter supply is made in July or August. Sowing a few radishes with the turnips has proved very successful, saving them from the ravages of the fly. I would impress upon my agricultural friends the importance of a more extended cultivation of the Ruta Bagas, as winter feed for cattle, sheep, etc. For this purpose, sow from the tenth to the twentieth of June, one pound to the acre, in drills 18 to 24 inches apart—from row to row—thinning them out to 12 or 15 inches in the row. Though comparatively very hardy, few varieties will survive the winters of the Northern States, in the open ground. The best way to preserve them for winter use, is to dig a trench 18 inches deep on a dry, well-drained situation, placing them in layers, so that they do not touch, then cover them with soil, placing layer after layer, banking them up with a foot of soil. Thatch the top with straw to keep off the rain, open one end on dry, sunny days, and take out a sufficient supply for your stock. By this method of storing they will keep till April.



BUNNEY'S INCOMPARABLE
LETTUCE.

(See page 53.)



PEAR-SHAPED TOMATO.

(See page 66.)



YELLOW CHERRY TOMATO.

(See page 66.)



RED CURRANT TOMATO.

(See page 66.)

TURNIP—CONTINUED.

	Per Oz. Price.
WHITE FLAT DUTCH, OR SPRING TURNIP. Of quick growth ; juicy, and of excellent quality. Per pkt. 5.....	.10
EARLY SNOWBALL. Round ; white, early. Per pkt. 5.....	.10
WHITE-TOP STRAP LEAF. For market or table use. Per pkt. 5.....	.10
PURPLE-TOP STRAP LEAF. Like White-top, except color. Per pkt. 5.....	.10
YELLOW MALTA. Small, early ; skin bright orange-yellow ; flesh pale yellow, fine grained and well-flavored. Per pkt. 5.....	.10
YELLOW ABERDEEN. Generally grown for farm purposes, it is superior for table use. Per pkt. 5.....	.10
YELLOW-STONE. Fine grain ; garden variety. Per pkt. 5.....	.10
ORANGE JELLY. Of quick growth, esh, bright yellow. Per pkt. 5.....	.10
JERSEY NAVET. A delicious white turnip, resembling the parsnip in form, one of the best for the table, sow in the fall. Per pkt. 10.....	.25

The following are the best for field culture :

RUTA-BAGA, or SWEDE TURNIP.

Per. Lb.

CARTER'S IMPERIAL HARDY SWEDE. Improvement on other varieties ; larger, flesh firmer, excellent keeper. Per pkt. 5. Per oz. 10c.....	1.00
PURPLE-TOP, SKIRVING'S, Hardy and productive ; flesh yellow, of solid texture. Keeps well. Per pkt. 5. Per oz. 10c.....	.75

Varieties below, though not so hardy as the Ruta Baga, are much cultivated in England for the winter-feed of stock ; they can be sown later and come off earlier than the Swedes or Ruta-Baga.

WHITE NORFOLK. Grows to a large size ; flesh white and coarse-grained, but sweet. Per pkt. 5. Per oz. 10.....	1.00
LONG WHITE TANKARD. Field variety. Per pkt. 5. Per oz. 10c.....	1.00
RED-TOP TANKARD. Like above, except color. Per pkt. 5 ; oz. 10c.....	1.00
SWEET GERMAN, OR WHITE FRENCH. One of the best for table or feeding stock ; flesh firm, white, crisp, sweet, excellent flavor ; none better for keeping. Sow in June. Per pkt. 5. Per oz. 10c.....	1.00

SWEET, or POT HERBS.

The generality of Sweet Herbs may be raised from seed sown early in spring, and as the herbs come into flower, cut them on a dry day, and spread them in a shady place to dry for use. They are an indispensable requisite in every household, and should be cultivated in every garden. Borage is very ornamental and showy, flower, a beautiful blue color ; should be grown largely where Bees are kept. Per pkt. 5 cents.

Those marked with a * are perennial, and when once cultivated in the garden may be preserved for years.

	Per oz.		Per oz.
ANISE.....	.15	*ROSEMARY.....	.50
BALM, LEMON.....	.50	RUE.....	.40
BASIL, SWEET.....	.50	*SAGE.....	.25
BORAGE.....	.25	SUMMER SAVORY.....	.30
*DILL.....	.15	SWEET MARJORAM.....	.50
*HYSSOP.....	.50	SWEET FENNEL.....	.15
HOARHOUND.....	1.00	*THYME.....	.60
PENNYROYAL.....	1.00	*WORMWOOD.....	.50
POT MARJORAM.....	1.00		

HEDGE, TREE AND FRUIT SEEDS.

APPLE, per peck, \$4 ; per lb., by mail, 50c. ; per bu. 40 lbs.....	\$12.00
CALYCANTHUS, fresh, per quart.....	1.00
HONEY LOCUST, 10 lbs., \$6.00 ; per lb.....	.75
OSAGE ORANGE, per bu. 33 lbs., \$12 00 ; per lb.....	.75
PAULONIA IMPERIALIS, fresh, per pkt.....	.25
PEACH STONES, frozen, per bbl., \$4.00 ; per bu.....	2.00
PEAR SEED, per lb.....	4.00
ARBOR VITÆ, American, per oz.....	.50
HEMLOCK, per lb., \$3.50 ; per oz.....	.50

NOTHING IS MORE ORNAMENTAL THAN A WELL-KEPT LAWN.

Do not suppose, because the weeds appear first, they were sown with the Lawn Grass; these would grow if no seed was sown. The earth is the natural mother of weeds. The finer varieties comprising this mixture are all hand picked. It does not pay to collect seeds of weeds. For a fine and verdant Lawn it is necessary the mixture should be of many varieties; if confined to one or two, the Lawn would become brown in the summer. I notice, in many Seed Catalogues, it is recommended to cut closely; during the hot summer months *do not cut too closely*, but so arrange your Lawn Mower that it will leave the grass *one or two inches high*, and protect the roots from the burning sun.

MIXED LAWN GRASS, per bushel, \$5.50; per peck, \$1.50, delivered to Express or Railroad. The person ordering will pay the freight; per quart, by mail, prepaid, 35 cents.

ALSIKE CLOVER.

Copied from the *Prairie Farmer*, April 17, 1871.

EXPERIENCE WITH ALSIKE. — I have a piece of Alsike, sown three years ago, side by side with the large English red clover. It was sown the same spring. It does not winter kill like the red clover. The crop has been fully equal to the English and common red clovers. The stools are enormous. Hogs, horses and cattle, give it the preference, and will forage upon it all the time to the neglect of all the other kinds. It makes the prettiest bee pasturage in the world, and the sweetest hay. I have no seed whatever to sell, but shall sow more this spring. — W. G. C., *Albia, Iowa*.

A good plant, valuable for permanent pasture; very hardy, will thrive in any soil, affording a great quantity of nutritious herbage for years to come. Per lb., 60 cents.

LUCERNE.

This, although not generally grown, will, I am convinced, become more so. Soil and situation being favorable, it is a very heavy cropper, and will bear cutting four or five times a year. Per lb., 60 cents.

ESTIMATE OF SEEDS

FOR A LARGE KITCHEN GARDEN,

GIVING A FULL SUPPLY THROUGHOUT THE SEASON.

Asparagus	1 oz.	Melons, assorted	4 oz.
Beans, Dwarf or Snap	3 qts.	Nasturtium	1 "
" Horticultural Pole	1 "	Okra, dwarf	2 "
" Large Lima	1 pt.	Onion, two varieties	4 "
" Concord	1 "	Parsley, extra curled	1 "
" English, Long-pod	1 qt.	Parsnip, two varieties	2 "
Beet, early and late	6 oz.	Peas, Carter's first crop	1 qt.
Borecole, or Kale	1 "	" Tom Thumb	1 "
Broccoli, early and late	1 "	" Burbidge's Eclipse	1 "
Brussels Sprouts	1 "	" Blue Surprise	1 "
Cabbage, early varieties	1 "	" Flack's Victory	1 "
" Late "	2 "	" Champion of England	1 "
" Savoy "	1 "	" Yorkshire Hero	1 "
" Red, for pickling	1 "	" Epicurean	1 "
Carrot, two varieties	4 "	Radish, early and late	6 oz.
Cauliflower, two varieties	1 "	Rhubarb	1 "
Celery, "	1 "	Salsify, or Oyster-plant	2 "
Corn, Salad	2 "	Spinach, round	4 "
" Crosby's Sweet	1 qt.	" prickly	2 "
" Early Concord	1 pt.	" New Zealand	1 "
" Darling's Sugar	1 qt.	Squash, Early Bush	1 "
" Minnesota	1 "	" Summer Crookneck	1 "
" Stowell's Evergreen	1 "	" Boston Marrow	2 "
Cucumber, two varieties	1 oz.	" Hubbard	1 "
Cress, or Pepper Grass	2 "	Tomato, two varieties	1 "
Egg-plant, large purple	1/4 "	Turnip, white flat Dutch	2 "
" Pekin black	1 pkt	" Purple-top, strap-l'v'd	2 "
Endive, green curled	1 oz.	" Sweet German	1 "
Kohl Rabi	1 "	" Carter's Imp'l Swede	1 "
Leek, Musselburgh	1 "	Pepper, Thyme, Sweet Marjoram,	
Lettuce, four varieties	2 "	Sage, Lavender, Summer Savory,	
Mustard	2 "	Sweet Basil, 1 paper each.	

The above assortment will cost *twenty* dollars ; one half, *ten* dollars ; one fourth, *five* dollars.

N. B.—Any article, above specified, if not required, will be excluded, and additional quantities of others, of equal value, included, according to the wish of the purchaser.

SUMMER FLOWERING BULBS,

FOR SPRING PLANTING.

It is not safe to send Bulbs during cold, severe weather. They will be forwarded as soon as weather will permit.

ANEMONE.

A most beautiful flower, every year becoming more popular, and when planted in beds or masses with colors of the most brilliant scarlet, red, blue, rose, and striped, the effect is striking. I wish every one who has a garden to grow some of these gems of Flora; even if you fail, the cost is not ruinous. Plant three inches deep, six inches apart. Should you receive something resembling dried pieces of bark, do not be surprised; 'tis the root.

	PER DOZ.
ANEMONE, named varieties,.....	\$1.00
“ single scarlet,.....	.30
“ double scarlet,.....	.50
mixed varieties,.....	.30

GLADIOLUS.

Persons acquainted only with the old “Sword Lily” Gladiolus can scarcely imagine the improvements recently made upon them. For purity and brilliancy of color, from white to dazzling crimson, combined with soft, rich salmon and velvet shades, the new Hybrid Gladiolus are unrivalled among summer flowering bulbs. A single bulb sometimes produces several stems of bloom, and a succession of flowers for two months. The cultivation is of the simplest description. Plant the bulbs for early bloom the second week in April, following up your planting every two weeks till the second week in June. They delight in rich soil, and should be planted from two to three inches deep, and six to nine inches apart, according to the size of the bulb; to those who purchase by the hundred, and plant in rows, they may be placed two feet or more apart from row to row. But to those whose means are limited, and their desire great, I would advise planting them in their flower-beds *singly*, growing as they will above scarlet Geranium, Verbenas, and may bedding plants. They not only have a very pretty effect, but you make the most of the small space allotted to you. This beautiful tribe of plants should be planted everywhere. They are easily grown. They are gorgeously beautiful. When cut and placed in water, the flower buds expand and last a long time. Planted by hundreds in the borders among evergreens, or foliage plants, they brighten and enliven the beds during the summer and autumn months; cheaper varieties can be supplied for this purpose. In the fall, when the bloom is over, take up the

GLADIOLUS—CONTINUED.

DOZ.

bulbs, allowing them to dry out of doors for a few days; take off the tops, and put away in a place free from frost and moisture. Examine them occasionally to see that they are not too dry, or suffering from dampness. I offer them in collections.

No. 1.	Twelve good named varieties.....	\$2.50
No. 2.	“ choice “ “	5.00
No. 3.	“ very choice named varieties.....	10.00

Seed of the Gladiolus of my own saving, carefully selected from best varieties, in packets, 20 cents each.

	EACH.
BRENCHLEYENSIS. Vermillion scarlet. Per doz. \$2.00.....	.20
FLORIBUNDUS. Pinkish white; early bloomer. Per doz. \$2.00.....	.20
GANDAVENSIS. Original; vermillion and yellow. Per doz. \$1.00.....	.10
PSCITTACINUS. Yellow and brown. Per doz. 75 cents.....	.10

MIXED VARIETIES.

I offer a fine collection of mixed seedlings and other varieties, at \$1.00 per doz. by mail, post-paid.

GLADIOLUS.—GENERAL COLLECTION.

ACHILLE. Currant red; white line in the middle of each division.....	.60
ADONIS. Cherry color; lower divisions yellow, with carmine stains.....	.20
AGLAE. Salmon-colored rose; very large flower.....	.25
AMABILIS. Bright vermillion; yellow stain, dwarf.....	.20
APOLLON. Large flower, perfect, rosy lilac, with a large stain of light rose, finely striped with white in the centre.....	1.00
ARCHIMEDES. Light red; inferior divisions, chamois striated carmine.....	.20
ARISTOTE. Light carnation rose, red variegated; inferior divisions striped with carmine and purple.....	.20
BELLE GABRIELLE. Large flower, perfect shape, very fresh lilac-colored rose, slightly blazed with bright rose.....	1.00
BERENICE. Beautiful rose, red variegated; stains, carmine purpurine.....	.30
BRENCHLEYENSIS. Bright, deep scarlet.....	.20
BRILLIANT. Large flower, good shape, purple red; very fine color.....	1.00
CALENDULACEUS. Bright nankeen-yellow.....	.30
CALYPSO. Carnation-colored, striated with rose, stained carmine.....	.35
CANARI. Light yellow, striated with rose on the inferior divisions.....	.35
CERES. Pure white, stained, purplish rose; large flower; fine spike.....	.50
CHARLES DICKENS. Very tender rose, tinted with chamois, blazed and striped with carminate bright rose; charming little plant.....	.75
CLEMENCE. Tender rose, satin-like, shaded with darker rose; large bright-carmine stains; very large flower.....	.35
COMTE DE MORNAY. Dark cherry red; white stain, striated with purple; perfect spike, a very showy flower.....	.35
COMTESSE DE BRESSON. Red, sometimes variegated.....	.25
DAPHNE. Light cherry color, darker striped; bright carminate stain.....	.25
DIANA. Carnation color, variegated rose; stain, carmine on white.....	.35
DR. ANDRY. Very bright orange; beautiful shape.....	.20
DR. LINDLEY. Large flower, perfect shape; ground, tender rose; borders of the petals bright rose, blazed with carminate cherry color.....	1.00
DON JUAN. Orange-fire-red, inferior divisions spotted with yellow.....	.20
DUC DE MALAKOFF. Orange red, blazed with lighter stripes; white ground.....	.50
EDITH. Large flower; rose carnation, with darker stripes.....	.20
EGERIA. Light orange-colored rose, with darker rose stripes.....	.20
ELDORADO. Fine, pure yellow, the inferior divisions striated with red.....	.50
EMMA. Very deep carmine.....	.20
EMILE. Flower perfect shape; bright and brilliant red, pure white ground, red stain.....	.75

GLADIOLUS—CONTINUED.

	Each.
ENDYMION. Very large flower; rose, slightly tinted with purple.....	.30
EURYDICE. Large flower, perfect shape; pure white, blazed, bright carminate rose (<i>Perfection</i>).....	1.25
EUGENE SCRIBE. Flower very large and wide, perfect; tender rose blazed with carminate red; magnificent.....	2.00
ETENDARD. Flower very large and wide, perfect; white, slightly blazed with lilac or bluish violet; spike very long.....	2.00
FULTON. Transparent, velvet-like vermilion red, very bright; bright purple stain, large flower, fine shape; showy plant, splendid shade.....	1.00
GALATHEA. Slightly carnation-colored, nearly white, with carmine stains.....	.20
GOLIATH. Very large flower, light red, ground striated, carmine stains.....	.20
HEBE. Very tender carnation, striated light carmine.....	.35
IMPERATRICE. White, carnation-tinted; stains, bright carminate rose.....	.20
IMPERATRICE EUGENIE (<i>Souchet</i>). Large flower, perfect shape; white ground, blazed with violetish rose inside, and with lilac outside.....	1.25
ISOLINE. Carnation; stains purplish carmine.....	.30
JAMES CARTER. Light orange-red, very bright, with a very large and fine pure white stain (<i>Dwarf</i>).....	.75
JAMES WATT. Very large and well-opened flower, light vermilion; stain very large, pure white, striated with delicate rose.....	1.00
JOHN BULL. Ivory white, or slightly sulphurated white.....	.25
LE TITEN. Large flower, perfect shape, showy spike, light red, very brilliant.....	1.25
LE POUSSIN. Light red, white ground, a very large white stain.....	.50
LORD BYRON. Very brilliant scarlet, stained and ribboned with pure white.....	1.00
LORD GRANVILLE. Straw color, stained with deep yellow, and striped with red.....	.40
L'ORNEMENT DES PARTERRES. White ground, blazed with tender lilac rose; velvet carmine stains.....	.75
LOUIS VAN HOUTTE. Velvet-like carmine, purple stained.....	.20
MAC MAHON. Orange colored cherry rose, satin-like, red striped.....	.40
M'ME. BINDER. Pure white carminate rose stripes on the inferior divisions.....	.60
M'ME. ADELE SOUCHET. Very large flower, perfect shape; white ground, blazed with carminate rose; very remarkable.....	.75
M'ME. COUDER. Light carmine, shaded with bright carmine.....	.20
M'ME. DE VATRY. White, slightly sulphurish; stains purplish carmine.....	.40
M'ME. HERINCO. Yellowish white; veined and marbled with lilac.....	.20
M'ME. PAILLETT. Cinnamon, with white stripes and violet spots.....	.35
M'ME. LESEBLE. Pure white, large purplish rose stains.....	.60
M'ME. VILMORIN (<i>Souchet</i>). Rose, lighted with white, shaded with a darker rose; stains striated with carmine on white ground.....	1.00
MARIE. Pure white, stained with deep carmine; more beautiful than Bertha Rabourdin.....	.75
MARIA DUMORTIER. White, slightly streaked with rose; violetish-purple stains on a streaked ground.....	.75
MARS. Beautiful scarlet flower.....	.25
MATHILDA DE LANDEVOISIN. Very large flower; white, slightly carnation-tinted; striated with carmine.....	.50
MAZEPPA. Orange rose, large yellow stains, striated with red.....	.25
MR. VINCHON. Light salmon red, variegated and lined with white.....	.20
NAPOLEON III. Very bright scarlet red; white, striped in the centre.....	.35
NELLY. White, blazed with carminate rose, with a large stain of a dark-carmine color.....	.75
NEMESIS. Bright rose, with white; carminate spots on yellowish ground.....	.25
NEPTUNE. Very beautiful red, variegated and stained with carmine.....	.20
NOEMI. Flower large, light lilac rose; spike very long.....	.75
OPHIR. Dark yellow, purple stained.....	.60
ORACLE. Very brilliant cherry rose; extra fine.....	.50
OSIRIS. Purplish stain, lighted with white. (<i>Dwarf</i>).....	.25
OTHELLO. Light orange red; dwarf plant of great effect.....	.20
PEGASUS. Carnation-colored, stains purpurine on chamois ground.....	.20

GLADIOLUS—CONTINUED.

	Each.
PENELOPA. Large flower, slightly carnation-colored white; inferior divisions tinted with yellow, carmine striated.....	.35
PETER LAWSON. Rosy or purplish lilac, very large white stain.....	.75
PREMISES DE MONTROUGE. Splendid bright red, (<i>Dwarf</i>).....	.25
PRINCE IMPERIAL. Large flower; white, lightly flesh colored; stain carminate violet.....	.25
PRINCESS OF WALES. White, blazed with carminate rose; stain, deep carmine; very vigorous.....	.35
PRINCESSE MARIE DE CAMBRIDGE. Very large and well opened flower; unexceptionable shape and upright habit; white, with very large light carmine stains; extra (<i>Perfection</i>).....	2.00
RAPHAEL. Deep red vermillion, lighted with white and shaded with purple,.....	.30
REBECCA. White, slightly variegated with lilac,.....	.30
REINE VICTORIA. Very large and well-opened flower, pure white; stain, carminate violet; very hardy and vigorous.....	.75
REMBRANDT. Very bright deep scarlet,.....	.25
ROMULUS. Long spike of large flowers, very brilliant, brownish red, pure white stain; white lines on the inferior divisions; very showy.....	1.25
SEMRAMIS. Flower large and wide, perfect: long spike; carminate rose; ground white, blazed with bright carmine; unrivalled.....	2.50
SHAKSPEARE. Very large flower, perfect shape; white, very slightly blazed with carminate rose; very large rosy stain,.....	1.25
STEPHENSON. Large flower, perfect shape, carminate-cherry color, striated with white lines; splendid spike; truly magnificent,.....	1.00
SULPHUREUS. Sulphur-colored, very fine spike,.....	.40
SURPRISE. Amaranthine-currant-colored very vigorous plant. Dwarf.....	.20
VELLEDA. Very tender rose, lilac stain; very large flower,.....	.40
VESTA. Pure white, stained with purplish carmine on yellow ground.....	.35

LILIES.

ALL HARDY.

Always have been, always will be a favorite. None of the new favorites have displaced the old White Lily of the garden. In June and July it is without a rival. Then in succession follow the beautiful *Lilium Lancifolium*, *Album*, *Roseum* and *Rubrum*. These occupy an important position, as hardy as our common varieties, exceedingly fragrant, and of easy culture.

A new claimant for public favor is the *Lilium Fortunei*, a new Japanese lily, of noble aspect, growing six and seven feet high, the lower flower stems running out far and free from the stalk, giving the inflorescence a pyramidal outline. The flowers are a deep, rich scarlet, distinctly spotted with black; a great number are borne on each stem.

Plant five to six inches deep and allow them to remain in the ground for years. These, unlike the Hyacinth, *Crocus*, etc., if neglected planting in the fall, may be planted in the spring as soon as the ground is workable.

	Each.	Doz.
LILIUM AURATUM. Gold banded.....	\$0.35	\$3.50
“ “ “ Extra strong bulbs.....	.50	5.00
“ LANCIFOLIUM ALBUM, Pure white.....	.50	5.00
“ RUBRUM. White with crimson spots.....	.25	2.50
“ ROSEUM. Rose spotted.....	.25	2.50
“ CANDIDUM, (old white Lily). Pure white, very fragrant.....	.20	2.00
“ “ Striped leaved.....	.50	
“ LONGIFLORUM. Pure white, with large trumpet-shaped flowers.....	.20	2.00
“ ATROSANGUINEA. Orange red, blotched, very showy.....	.50	5.00
“ CHALCEDONICUM. Brilliant scarlet.....	.60	6.00

LILIES—CONTINUED.

	Each.	Doz.
LILIUM EXCELSIUM. Buff yellow, beautiful.....	.75	
" FORTUNEL. A deep rich scarlet, distinctly spotted with black.....	.50	
" MELPOMENE. A deep crimson, covered with purplish violet and blood-colored spots, with a distinct border of pure white on the edge of the petals.....	.75	
" MARTAGON. Yellow.....	.60	
" THUNBERGIANUM CITRINUM. Delicate salmon, beautiful; (dwarf).....	.75	
" " GRANDIFLORUM. Very dark red flowers, growing in clusters.....	.75	
" TIGRINUM, (Tiger Lily). Orange-red, spotted.....	.20	2.00
" UMBELLATUM. Orange spotted.....	.25	2.50
" " ERECTUM. Yellow spotted.....	.25	2.50
" VENUSTUM. Orange-buff, handsome.....	.40	3.50

MADEIRA VINE.

A beautiful climbing plant, its glossy foliage and numerous fragrant white flowers make it a great favorite.

Price, 10 cts. each; \$1.00 per dozen.

RANUNCULUS.

One of the gems of Flora's kingdom too much neglected. For beauty of form and brilliancy of color, it can not be surpassed. No wonder they are not grown more, the wonder almost is they are grown at all. One reason, is the voluminous directions, so bewildering to the non-professional, given for their culture in some of the bulb catalogues. A good friable loam is necessary—if you will, a mixture of decayed cow dung thoroughly incorporated with it—and when planting, let the soil be well trodden down, so that the root will be firmly fixed in the earth to the depth of three inches, and six to nine inches apart. The root, like the Anemone, is not particularly attractive. It is almost surprising so small a root could produce such beautiful flowers. For house and green house culture they are well adapted.

RANUNCULUS. Finest named varieties.....	Doz \$1.00
" " Mixed ".....	.35

TRITOMA.

The red hot poker plant of Europe, throwing up a spike from three to five feet high; very attractive flowers, red and yellow; admirably adapted for forming large, effective groups and beds. They thrive in any ordinary garden soil, and the early frosts do not effect the bloom. Take up in the fall and protect, as Dahlia roots.

TRITOMA UVARIA, each .35 cts.....	\$3.00
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TIGRIDIAS—TIGER FLOWER.

Mexican bulbs, growing about one and a half feet high, producing flowers of the most exquisite beauty, of singularly curious shape, and the color of each variety gorgeous and purely contrasted. No flower can exceed it in beauty. In bloom from July to October. Plant any time in May or first of June, about two inches deep, in any garden soil. After the tops are killed by frost take up the bulbs and keep them in a dry place until the time of planting in the spring.

CONCHIFLORA. Orange, spotted with black.	15 cents each	Doz. 1.50
PAVONIA. Scarlet, spotted with pure yellow.	10 cents each	1.00

DOUBLE TUBEROSES.

The Tuberose is the most fragrant of summer-flowering bulbs, throwing up spikes of double white flowers, two to three feet high, which remain in bloom a long period. When they are needed very early, plant in the green-house or hot-bed in February or March; and, for a succession of flowers, in April and May. In planting, remove the useless small offsets around the main root, and place a single tuber in a pot four or five inches wide. On the approach of cool weather, in September, those remaining in bloom should be removed to the conservatory or parlor, when they will continue in flower for a long period. The bulb having once flowered, it will not bloom the second time.

Fine bulbs, 15 cents each; \$1.50 per doz.





LILIUM AURATUM. (Page 71)



HERSTINE RASPBERRY. (Page 112.)

DESCRIPTIVE CATALOGUE OF PLANTS,

INCLUDING NEW PLANTS,

VERBENAS, CARNATIONS, DAHLIAS, CHRYSANTHEMUMS,
ROSES, PETUNIAS, PHLOXES, FUCHSIAS
AND GERANIUMS.

Vase, Basket and Vegetable Plants,

All in Six Classes, each Alphabetically Arranged.

CLASS 1. PLANTS OF SPECIAL INTEREST.

CLASS 2. LEADING PLANTS AND LISTS.

CLASS 3. HARDY HERBACEOUS PLANTS.

CLASS 4. ADDITIONAL GREENHOUSE AND BEDDING PLANTS.

CLASS 5. VASE AND BASKET PLANTS.

CLASS 6. VEGETABLE AND MISCELLANEOUS.

FOR SALE AT THE

BLOOMINGTON NURSERY,

BY

F. K. PHOENIX,

BLOOMINGTON, McLEAN CO., ILL.

Bouquets, Wreaths and Floral Decorations to Order.

SPRING OF 1872.

OUR MOST GRATEFUL ACKNOWLEDGMENTS — While inviting particular attention to the stock and assortment of splendid Novelties and choice Ornamental Plants generally, set forth in this catalogue.

TWELVE HOUSES, for Plants and Propagating purposes give unusual facilities; so we may truly say our collection is much the largest and best ever offered here — and indeed, for Western purchasers, we doubt is at all equalled.

OUR PLANTS — Are in most splendid health and vigor, of the best size and shape for packing, and put up in the most approved style for safe transit. They are usually sent by Express — for which there are excellent facilities at this point.

EXPRESS CHARGES PREPAID — When cash in full accompanies order, to any railroad point reached by United States or Am. M. U. Express Co., in the States of Ohio, Michigan, Indiana, Illinois, Wisconsin, Minnesota, Iowa, and Missouri, as follows: Not over 4 pounds, for 50 cents additional. Not over 8 pounds, for 80 cents additional. The above includes all charges for packing and delivery at express office here. As it is difficult to estimate exact weight before packing, be sure and send enough. Any over-plus will be promptly returned.

BY MAIL — Parcels — up to four pounds weight — postage two cents for every four ounces or fraction over. This is a great facility, and ordinarily quite safe, the risk increasing in proportion to the fleshiness or frailty of the foliage. Over 20 wagon loads of mail packages sent by us last season, and nearly ever article arrived in good condition. When ordering plants *by mail*, the purchaser will please be particular and send cash in full to cover the order. When only a part of the amount is remitted, goods will be sent only to the amount of the remittance. We have been compelled to adopt this rule on account of the inconvenience of collecting small balances at the close of the season.

PRICES — Named herein, are mostly for small shipping sizes — larger can often be furnished at corresponding rates. A small charge is made for packing, also for postage on mail parcels. Any ordinary moderate parcel, box or basket 35 cents; larger lots 50 to 75 cents, or more. On a dozen Verbenas or similar small plants, 25 cents will cover packing and postage.

TERMS — Net cash here to amount of Bill — with order, or (if not too distant) by Express with Bill "C. O. D." *i. e.*, "Collect on Delivery" of goods, with return charges added. After delivering at Express, Post Office, or Depot, our responsibility ceases. Errors and mistakes of ours cheerfully corrected. No order under one dollar will be filled. We shall consider it optional with us either to return the money (minus the postage) or send the amount in flower-seeds.

REMITTANCES — In bank notes by mail at sender's risk, though generally safe. By postal orders, New York or Chicago Exchange, or prepaid by Express are the surest modes.

PURCHASERS' SELECTIONS — Gladly allowed, and the choice new varieties, usually included in sets or dozens, as far as practicable, without extra charge; but at wholesale, as per dozen or hundred, the selection must be ours, to preserve the assortment.

TIME OF PLANTING — From time Spring frosts cease up to June 15th. A most admirable feature of pot grown plants, is the perfect safety and facility of using to advantage up to a very late period, say July 10th, for instance, where new places can not be got ready in the usual Spring season for planting, or where seeds etc., have failed. The only pre-requisite is to choose, if possible, a moist cloudy time for planting out, or use shade and water temporarily till rain comes. For very late planting, the Monthly Roses are best for bloom; next the quick growers and perpetual bloomers, as Ageratum, Zonale and H. P. Geraniums, Lantanas, Petunias, Verbenas, Salvias, Vincas, also the beautiful Achyranthus and Coleus — all good but C. Vershafelt especially.

CLASS I.

PLANTS OF SPECIAL INTEREST.

Orders for Plants should be sent on a separate sheet from the orders for SEEDS, and the departments are entirely separate.

GREEN-HOUSE PLANTS WILL BE SPECIALLY DESIGNATED AS SUCH.

AGERATUM TOM THUMB.

A miniature dwarf variety, forming a low and compact growth. Flowers, light porcelain blue, with shades of chocolate, dark crimson, and violet flowers and foliage. Price, 25 cents each.

AGERATUM PRINCE ALFRED.

This is a great improvement, more dwarf in habit, of a deeper blue than any other variety; a profuse bloomer. Price 25 cents each.

ALOYSIA, OR LEMON VERBENA.

By universal consent, the plant most esteemed for delicious sweet-scented foliage. Growth vigorous; 3 to 4 feet, the flowers inconspicuous. Price 20 cents; \$2 per dozen.

ALTERNANTHERA.

These are foliage plants, very desirable for bedding out; they are of low compact growth, well adapted for front lines, or marginal circles in bedding groups.

ALTERNANTHERA AMABILIS. Dwarf, golden-shaded, carmine and green; very beautiful.

ALTERNANTHERA SPATHULATA. Dwarf, purple and crimson.

ALTERNANTHERA VERSICOLOR. Crimson and bronze.

Price 20 cents; \$1.50 per dozen.

ALTERNANTHERA.

MAGNIFICA. This new variety has the free and compact dwarf habit, of A.

Amabilis, with the picturesque rosy tints of A. Amcena.

Price 50 cents.

AMARYLLIS.

These Bulbs are remarkable for their beautiful flowers; should be cultivated indoors, and but moderately watered, unless they show indications of flowering. The soil most suitable for their culture is a good, friable, decomposed turfy loam, with one-fourth part of rich leaf-mould, and the ordinary proportion of sand in mixture.

AMARYLLIS—CONTINUED.

	Each.
AULICA, (Lily of the Palace), crimson, shaded with lively green.....	\$2.50
JOHNSONII, crimson, striped with white, and a very large bloom.....	3.00
LONGIFOLIA ROSEA, long leaved.....	.50
“ ALBA, long leaved white.....	.75
VITTATA, striped.....	1.50

AMARYLLIS FORMOSISSIMA, OR JACOBAN LILY.

A beautiful summer-flowering bulb. It generally produces two stems, one after the other, each bearing a large lily-like flower of the richest crimson-velvet color; its golden stamens drooping gracefully over the lower petals, giving it additional brilliancy. Plant the bulbs early in May, in rich mellow soil. They bloom in June.

Price 35 cents each; \$3.50 per dozen.

ARTHROPOGON SPICATA ARGENTEA.

A half-hardy Japan plant with long persistent foliage, distinctly striped white and green—unique, indispensable.

Price 50 cents each.

BOUGAINVILLEA.

Strong climbing plants, whose beauty is in the color of the bracts of the flowers.

GLABRA. Smooth-leaved, pink flowers.

LATERITIA. Free flowering with salmon-colored bracts.

50 cents each.

BOUSSINGAULTIA VARIEGATA. A beautiful species of the Madeira Vine, but without the tendency to climb, being of shrubby style of growth; leaves variegated green and white; it will stand the hot, dry summer well, and is a great addition to our basket and vase plants.

Price, 25 cents.

BRIDAL ROSE (RUBUS GRAND, fl. pl.).

Of the Blackberry tribe, flowering all the year. Flowers large, double, pure white, showy.

Price, 25 cents each; \$2.50 per dozen.

BRUGMANSIA KNIGHTII.

Tuberous rooted perennial; stout, rapid growth; foliage very large; flowers trumpet shaped. Large, pure white, double, pendant, very fragrant, profuse. Late Summer and Autumn. Roots easily wintered over in a cellar like the Dahlia.

Price, 25 cents each; \$2.50 per dozen.

CALADIUM.

Foliage somewhat of the Calla style, but beautifully spotted and variegated; of tropical origin, yet all the varieties do well in moist, rich soil here—those with most green in the leaf succeeding the best. They should not be planted out till the weather gets warm. After first autumn frosts take up bulbs, and keep in a dry, warm place till wanted for planting in spring.

Amabilis,	Fulgens,	Newmanii,	Sagittifolia,
Baraguini,	Haematostique,	Paecile,	Spider,
Belleyonii,	Houlletii,	Pictum,	Vershaeffelt,
Bicolor,	Javanicum,	Picturata,	Violaceum,
Brongniartii,	Marmoratum,	Porphyrophylla,	Wightii,
Duc de Nassau,	Metallicum,	Rosea picta,	

CALADIUM ESCULENTUM. The leaves are of immense size, from 18 inches to 2 feet, of shield shape. As a single plant for lawns or large flower-borders, it has few superiors.

Price, 30 cents each. Our selection, named sorts, \$3.00 per dozen.

CALADIUM—CONTINUED.

The following new varieties \$1.00 each :

DUCHARTE. Leaf ground-white, flushed rose, green veins and red spots.

DUC DE RATIBO. Green ground, with red mid ribs, marked with white spots fine and distinct.

CHARLES VERDIER. Fine green, with blush-pink centre and spots.

MAX KOLB. Light green ground, with pale centre ; novel and distinct.

LUCY AND HENDERSONII. Very fine and distinct.

CENTAUREA CANDIDA.

Compact moderate grower — foliage plant, very striking, downy or velvety white.
Price, 50 cents each.

CENTAUREA GYMNOCARPA.

Foliage silvery grey, most graceful and effective, especially in contrast with dark foliated plants. In baskets and vases, its drooping, fern-like leaves are very ornamental.

Price, 30 cents each ; \$3.00 per dozen.

CEREUS GRANDIFLORA (OR NIGHT-BLOOMING CEREUS).

Celebrated night-blooming green-house, or window Cactus ; can be flowered readily in dwellings by giving it, over winter, a rest, with little or no water.

Price, 50 cents each.

CINERARIA MARITIMA.

Leaf plant, vigorous, with striking downy foliage.

Price, 25 cents each ; \$2.50 per dozen.

CINERARIA HYBRIDA.

A favorite, free-flowering plant ; blooming through the greater part of the summer, and from the richness and diversity of its colors, is one of the most valuable of our spring flowering plants.

Price, 25 cents to \$1.00 each ; \$2.50 per dozen.

CISSUS DISCOLOR.

Beautiful greenhouse or basket climber—leaves richly shaded dark green, purple and white, upper surfaces very velvety—full exposure to sunshine injures the brilliant markings.

CISSUS AMAZONICA. Desirable variety, leaves pointed, green, laced silver, crimson underneath.

Price 25 to 50 cents each ; \$2.50 to \$4.50 per dozen.

CITRUS, ORANGE AND LEMON.

A good stock of fine healthy plants, 8 named varieties of Orange: Bouquet, Hybrid, Maltese Blood, Mandarin, Myrtifolia, Otaheite, St. Michaels, Tangerine ; of Lemons five—Chinese, Japanese, Jewish, Large fruited, Variegated Leaved.

Price 50 cents to \$1.50 each. Per dozen, small plants, \$4.50.

CLERODENDRON BALFOURI.

Greenhouse climber, flowers scarlet and white, profuse, very beautiful. Double white, shrubby habit.

Price 50 cents each.

COLEUS, EMPEROR NAPOLEON.

Leaves, rich chocolate crimson, a first-class bedding variety.

Price 50 cents.

DAHLIA IMPERIALIS.

In growth a true Dahlia, habit distinct, attaining the prodigious height of 8 to 10 feet. Its majestic habit, graceful foliage, and profusion of elegantly cut, and large drooping single white, bell-shaped flowers, justly entitle it to the appellation "Imperial." A very magnificent species introduced from France. The flowers are large, late, single, recurved, reminding one of the Lily; of a transparent white, each petal shaded rose near the base, disc yellow.

Price, strong plants, 50 cents each.

DAPHNE CNÆORUM.

An old, hardy Evergreen shrub, of dense spreading habit, attaining a height of not over a foot; flowers rosy pink, very fragrant, lasting a long time in bloom.

Price \$1.00 each.

DIELYTRA SPECTABILIS—ALBA.

A new white, or nearly white, variety of this well-known, very hardy, beautiful herbaceous plant—more dwarf than the crimson—otherwise equally hardy and desirable.

Price 75 cents each.

ERANTHEMUM COOPERI.

Neat, dwarf, greenhouse plant. Foliage shaded gold and bronze.

ERANTHEMUM PULCHELLUM. Dwarf greenhouse plants; beautiful blue flowers in winter.

Price 35 cents each.

ERYTHRINA CRISTA GALLI.

Beautiful summer flowering plants, with dark crimson coral like flowers. The roots, which are fleshy, can be put away in the cellar, like Dahlias during winter.

50 cents each.

ERIOBOTRYA, (ORLEANS APRICOT).

Large Evergreen leaves, with orange yellow fruit in winter, a favorite South.

Price 50 cents.

FITTONIA ARGYRONEURA.

Beautiful, low-growing greenhouse plant, dark green with silver threads running over foliage.

50 cents each.

FUCHSIA. (New, imported varieties.)

WHITE EAGLE. White corolla with rich scarlet tube, and sepals recurved, a free blooming variety with three flowers at each axill.

75 cents each.

ALBERT MEMORIAL. Violet purple corolla, very large and long, immense sepals, perfectly reflexed; said to be the very best Fuchsia yet sent out.

Price \$1.00 each.

ARABELLA IMPROVED. A splendid market variety, of strong habits, very large bloom, and will doubtless prove the most popular Fuchsia ever sent out.

Price 75 cents each.

MONARCH. Flowers of enormous size, bright red tube and sepals, and rose colored corolla, shaded with violet; the corolla is large, of good substance and well expanded; the sepals are immensely long, and elegantly reflexed; a magnificent variety.

Price 75 cents.

AVALANCHE. A fine double white corolla Fuchsia, compact and beautifully formed; flowers of large size, of brilliant carmine scarlet.

Price \$1.00 each.

KING OF THE STRIPES. Said to be the finest striped variety ever sent out.

75 cents each.

GARDENIA, (OR CAPE JESSAMINE).

Evergreen shrub, foliage glossy and beautiful, flowers profuse, pure white, very fragrant, early in spring. Greatly esteemed in the South.

FLORIDA. Large flowers.

FORTUNEIL. Chinese variety, strongest grower.

MULTIFLORA. Profuse flowered.

RADICANS. Dwarf compact, free blooming.

Price, strong plants, 50 cents each; \$4.50 per dozen.

FANCY GERANIUMS, OR STRIPED ZONALE PELARGONIUMS.

Striped Zonale Pelargoniums no longer remain to be wished for. They are constant in their markings, good growers, flower trusses of large size, and freely produced.

ARLEQUIN. Bright salmon flower, good substance, beautifully and distinctly striped with white, nice truss and dark zone foliage. *New*.

\$1.00 each.

COQUETTE. Clear white ground colored flower, good size and substance, beautifully striped and splashed with bright pink-salmon. Free grower and fine foliage. *New*.

\$1.00 each.

Also the following newly-imported varieties of Oculated Geraniums. At the time of the Catalogue going to press I have received no description of them. From the long established character of the raiser I confidently recommend them: Bride, Cynosure, Beatrice, Miss Gladstone, Mrs. Henry Cannell, Madame Werle.

\$1.00 each.

GERANIUM, (TRICOLOR).

JEWISH MAID. Dwarf miniature variety, compact habit, bright carmine, scarlet zone on gold belt; very fine.

\$2.00 each.

LA PHOENIX. Good habit, flamed yellow crimson and green, occasionally striped.

\$1.00 each.

LASS O' GOWRIE. Leaves margined white, with inner bronze zone of bright carmine rose; no description can give an idea of this beautiful variety.

\$5.00 each.

PETER GREIVE. Rich gold margin and brilliant zone of flamed scarlet; a splendid variety.

\$5.00 each.

HIBISCUS COOPERII TRICOLOR.

Green or hot-house plant. Foliage striped and marbled, rose pink and white. Flowers scarlet, shaded white. Exceedingly beautiful.

Price 50 cents each.

HIBISCUS.

Greenhouse shrubs; flowers and habit much like the Altheas, save in color. They are also excellent summer bedders. Lutea, double, buff, yellow; Rosea, double, rose color, and Sinensis, single, but very beautiful, shaded crimson, scarlet.

Price 25 cents each; \$2.50 per dozen.

HYDRANGEA HORTENSIS.

Changeable Hydrangea, almost or quite hardy, if well littered over winter; splendid heads of bloom, flowering only from old wood.

Price 25 cents each; \$2.50 per dozen.

HYDRANGEA HORTENSIS VARIEGATA. Leaves beautifully variegated, silvery, white and green.

Price 50 cents each.

HYDRANGEA IMPERATRICE EUGENIE.

New, very beautiful, petals white, rose and light blue.

Price, 50 cents each.

HYDRANGEA OTAKSA.

New Japan sort, unique, dwarfish. Flowers double pink, profuse ; promises to be hardy. Very choice.

Price, \$1.50 each.

HYDRANGEA ROSALBA.

New white, changing to pink ; persistent. Very fine.

Price, 50 cents each.

HONEYSUCKLE, JAPAN.

Beautiful and nearly evergreen creepers ; flowers very fragrant ; perfectly hardy. The foliage of the Aurea Reticulata is elegantly variegated, with a net-work of yellow, purple and green. It is to me surprising these most beautiful Honeysuckles are not more extensively grown.

Price, 25 cents each ; \$2.50 per dozen.

AUREA RETICULATA. Flowers white, shaded yellow.

HALLEYANA. Flowers white.

SPLENDIDA. Flowers scarlet.

IVY, ENGLISH.

The well-known European variety ; valuable for covering brick walls, and upon the north and shady side of buildings.

Price, 25 cents each. \$2.00 per doz.

IVIES, NEW VARIETIES.

Leaves and vine similar to the English, but beautifully blotched.

Price, 25 cents each.

IVY JAPONICA ARGENTIA. Japan. silver margined.

" MARGINATA ELEGANS. Elegantly margined.

" " ROBUSTA. Stronger branched, margined fine.

LAGERSTREMIA (CRAPE MYRTLE).

Green-house shrub ; but when bedded out makes the most splendid show, during July, of all shrubs. Flowers profuse, delicate pink or purple, and perfectly crimped, like lace.

NEW CRIMSON. Color a deep bright crimson, a profuse bloomer, giving immense heads of its rich flowers. Sturdy plants, \$1.00.

ELEGANS. Dwarf variety, a profuse bloomer. 50 cents.

INDICA. Medium, bright red. 50 cents.

PURPUREA. Purple. 50 cents.

REGIA. Flower pink, very large. 50 cents.

LOBELIA.

Lobelias, in moist or half shady places, are much employed in the general summer arrangement of bedding plants. To Scarlet Geraniums they form a neat and very effective edging.

ALBA, BLUE KING, ROSEA, PAXTONIANA.

Price, 15 cents each ; \$1.50 per dozen.

LYCHNIS.

A very distinct, hardy, herbaceous plant from Japan ; flower stalks about 9 inches high, the flowers 2 inches in diameter ; handsome orange scarlet from June to October.

GRANDIFLORA, WHITE AND SCARLET, VISCARIA, FLOSCUCULI (Fl. Pl.), HAAGEANA.

Price, 25 cents each. \$2.50 per doz.

MANETTIA CORDATA.

Very choice, vigorous, free-flowing climbers—roots fleshy, foliage acuminate, deep green; flowers tubular, scarlet and yellow. Summer and fall. Hardy in the South. Price 25 cents; \$2.50 per dozen.

MARANTA ARUNDINACEA.

The arrow root of commerce. Price, 50 cents each.

MAURANDYA.

The most graceful and free-flowering of soft wooded climbers, either for the green-house, trellis-work or verandahs in the flower garden. The effect produced by the profusion of elegant and varied colored flowers is beautiful. Four named varieties, with white, dark blue, scarlet and bright rose-colored flowers.

Price, 25 cents each; \$2.50 per dozen.

NEREMBERGIA GRACILIS.

A very desirable bedder; growth slender, graceful; flowers most profuse, white, with faint purple tinge.

Price 15 cents each; \$1.50 per dozen.

NEREMBERGIA RIVULARIS.

Herbaceous, perennial, creeping. Flowers pure white with yellow disc, from June to September.

Price 25 cents each; \$2.50 per dozen.

OLEANDER (NERIUM).

Well known and greatly esteemed tropical shrub; excellent for bedding out. Extra fine lot of the Old Double Red.

Price 25 to 50 cents each; 10 to 24 inch, \$2.50 to \$4.50 per dozen.

The following new varieties are recommended as valuable additions to the list of Oleanders:

NERIUM PUNCTATUM PLENUM,

" ALBA DUPLEX. Double White, \$1.00 each.

" " SINGLE WHITE. 25 to 50 cents each.

" GIANT OF BATTLES. Crimson.

" COCCINEA. Scarlet.

" / SPLENDIDISSIMA.

" LUTEA. Single yellow, 50 cents each.

Price, except noted, 75 cents each.

OPHIPOGON (SPICATUM ARGENTIO MARGINATUM.)

A half hardy Japanese plant, with broad grassy leaves, edged with white, the flowers are pure white.

Price \$1.00 each.

PAMPAS GRASS.

A strong, sedgy grass from the Pampas of South America, rearing lofty silvery plumes or heads of grassy bloom and seeds. The roots winter easily in cellars.

Price 30 cents each; \$3 per dozen.

PANSIES.

The Pansy or Heartsease is a general favorite, and in the early spring bloom abundantly. During the hot, dry months of summer, they cease blooming, but in the autumn they bloom again profusely.

ENGLISH, FRENCH and BELGIAN.

Price 15 cents each; \$1.00 per dozen.

PASSIFLORA (THE PASSION VINE.)

A rapid growing vine with most unique and beautiful flowers, three to four inches in diameter. Colors, white, blue, purple, scarlet and crimson shaded. Valuable for the decoration of greenhouses and conservatories, and the hardy variety succeeds perfectly in the open ground, flowering profusely the first season.

Price 25 cents each; \$2.50 per dozen.

ALATA, EMPRESS EUGENIE, INCARNATA, KERMESINA. *Hardy Passion flower.* Perfectly hardy in open ground, color light-blue, shaded white.

TRIFASCIATA. Each leaf is intersected with three distinct bands of rosy carmine; a very handsome foliaged plant.

CARDINALIS. Flowers scarlet in great profusion.
50 cents each.

PENSTEMONS.

They grow in neat, compact plants of from eighteen inches to two feet in height. Gloxinia-like flowers in spikes, shaded and mottled in all colors of white, blue, scarlet, crimson and pink; in continuous bloom from June till October.

Price, 25 cents; \$2.50 per dozen.

PHLOX DRUMMONDII.

These flowers are of extreme beauty; their long duration of bloom and almost unequalled richness of color make them invaluable in every garden.

Price, \$1.00 per dozen.

PILEA MUSCOSA.

A pretty plant of drooping, graceful habit, resembling a fern in general appearance; literally covered with pretty crimson flowers; a fine basket plant.

Price, 25 cents.

POINSETTIA PULCHERRIMA.

Much grown for the beautiful bract of scarlet leaves surrounding the flowers, which are small and inconspicuous—very useful in winter.

Price, 35 to 50 cents; \$3.00 per dozen.

PRIMULA.

A charming, profuse-flowering plant; indispensable for winter and spring decoration for the green-house and drawing-room.

DOUBLE, WHITE AND RED. 75 cents and \$1.00 each.

ERECTA SUPERBA. Brilliant rose-colored flowers.

KERMESINA SPLENDENS. Large flowers, brilliant color.

FILICIFOLIA RUBRA GRANDIFLORA. Flowers large.

FIMBRIATA. Flowers of a rich dazzling crimson.

Price, 20 cents each; \$2.00 per dozen.

PYCHNOSTACHYS URTICIFOLIUS.

A new green-house winter-flowering pithy shrub, vigorous growing, and very valuable, with profuse, exquisite, light-blue Salvia-like pyramidal spikes of flowers, opening first at the base; flowers best in warm place.

Price, 25 cents each; \$2.50 per dozen.

REINECKIA CARNEA FOLIA VARIEGATA.

A beautiful dwarf variegated foliage plant, with thick fleshy tuberous roots, flowers brilliant scarlet, blooming the entire season, a fine window plant of easy culture.

Price, 30 cents each.

RICHARDIA ALBA MACULATA.

A bulbous plant of the Calla tribe, with beautiful spotted leaves. Flowers shaped like those of the Calla, pure white, shaded with violet inside. Bulbs need to be kept dry and from frost in winter.

Price, 50 cents each.

SEDUM.

A beautiful class of plants, well adapted for rock-work, vases and baskets, the flowers contrasting well with their foliage.

Price, 30 cents each.

SEDUM FABRIA. Flowers bright pink.

" **CARNEA VARIEGATUM.** Leaves white and green, flowers white and sweet-scented. Price, 30 cents each.

" **SIEBOLDII.** Leaves light green, flowers deep rose. Price, 30 cts. each.

" " **VARIEGATUM.** Leaves beautifully marked with yellow and green blotches. Price, 50 cents each.

SCHIZOSTYAS COCCINNEA.

Autumn flowering bulb; spike erect, flowers crimson, two inches in diameter. Adapted to the border or pot culture.

Price, 20 cents each; \$2.00 per dozen.

SOLANUM CAPSICASTRUM.

Dwarf, neat, shrubby, six to nine inches in height—with white flowers and beautiful scarlet berries. Very useful for winter decoration.

SOLANUM JASMINOIDES VARIEGATA. Climber, with pretty variegated green and white foliage.

Price 25 cents each; \$2.50 per dozen.

TORENIA ASIATICA.

Very beautiful vase and greenhouse climber; flowers profuse, porcelain blue, with purple.

Price 25 cents each; \$2.50 per dozen.

TROPÆOLUM.

Three named sorts: single, orange, scarlet, crimson; also, double, orange scarlet, fine for vases and baskets; showy climbers; very free in winter, and excellent for bedding out.

Price 20 cents each; \$2 per dozen.

VINCA (ROSEA, ALBA PICTA AND ALBA).

Madagascar Periwinkle, three excellent shrubby bedders, perpetual bloomers, thoroughly distinct and pleasing. Alba, pure white; Alba Picta, white with pink eye; Rosea, red or roseate; height, eighteen inches.

Price 20 cents each; \$2 per dozen.

VIOLET, DOUBLE SWEET.

Six sorts—Czar, very large, single purple; Double dark purple; Neapolitan, light blue; Russian, or Schonbrun, single purple; Tree Violet; White Queen.

KING OF THE VIOLETS—Rich purple, very large, double.

Price 15 cents each; \$1.50 per dozen.

CLASS II.**LEADING PLANTS, WITH LISTS.****ABUTILON.**

This tribe is of the very easiest growth in pot or border, flowering freely summer and winter. 25 cents each; per doz. \$2.00.

ABUTILON SANTANA. New, flowers large, dark brownish crimson, distinct and beautiful, the very darkest sort in cultivation.

" **THOMSONII.** One of the very finest ornamental leaved plants—habit, erect, graceful. Leaves mottled with bright golden yellow.

ABUTILON—CONTINUED.

- ABUTILON ADOLPHE BERANGER. Flowers, lemon, yellow, very large.
 “ VEXILLARIUM ELEGANS. Half-climbing, with a profusion of beautiful pendant scarlet, orange and pink flowers.
 “ VEXILLARIUM CARMINUM. Flowers abundant, carmine and yellow.
 “ VEXILLARIUM GRANDIFLORUM. Flowers crimson and yellow.
 “ VON HUMBOLDT. Orange and crimson.
 “ ALBUM. Large downy leaves, pure white bell-shaped flowers.
 “ STRIATUM. The old well-known variety, flowers orange yellow, veined crimson.
 “ MALAKOFF. Flowers very large; color, reddish buff, veined crimson.
 “ MESOPOATAMICUM. A fine variety, half-drooping habit.
 “ INTERMEDIA. A hybrid variety of the bell and flat-shaped varieties.

ACHYRANTHUS.

Splendid additions to our summer bedding plants, of dwarf habit, splendid foliage, forming a fine contrast to the coleus and other foliage plants.

Price 20 cents each; \$1.50 per doz.

- ACHYRANTHUS ACUMINATA. Dark crimson, pointed leaves, veined carmine.
 “ AUREA RETICULATA. Leaves gold veined, footstalks light carmine.
 “ BORBONICA. Dwarf habit, foliage bright crimson and carmine.
 “ GILSONII. Leaves bright crimson, stems pinkish, growth dwarf.
 “ LINDENI. Leaves lanceolate, deep blood-red, tinted purple.
 “ VERSCHAFFELTII. Brilliant carmine, shaded to crimson and dark maroon.

BEGONIAS.

Desirable plants, blooming more or less profusely from November to March, varying in color from white and rose to bright scarlet. Assimilating in character to the well-known and beautiful BEGONIA REX, in their great diversity of picturesque markings, rich crimson-tinted stems and silvery leaf margins.

Price 25 cents each; \$2.50 per doz.

- | | |
|-----------------------|---------------------|
| BEGONIA ARGYROSTIGMA, | BEGONIA PARVIFOLIA, |
| “ DUCHESS OF BRABANT, | “ REX, |
| “ FUSCHSIOIDES, | “ R. S. STEWART, |
| “ HYDRACOTYLIFOLIA, | “ SEMPERFLORENS, |
| “ MARY, | “ SILVER QUEEN, |
| “ MRS. PIKE, | “ WM. WAGNER, |
| “ NITIDA ROSEA, | “ ZEBRINA. |

BOUVARDIAS.

For Autumn and Winter blooming plants the Bouvardias are well-known to every Florist. They are of the easiest culture, giving their rich-colored flowers in great profusion. As bedding plants they are very effective.

Price 30 cents each, except noted, \$3 per doz.

- BOUVARDIA LEIANTHA. Dazzling scarlet.
 “ FLORIBUNDA. Flowers orange scarlet; very distinct and fine.
 “ AURANTIACA. Color a bright orange; a fine summer variety.
 “ HOGARTH. Splendid raceme; rich scarlet; vigorous grower; fine habit.
 “ DAVIDSONII. Pure white, free grower, indispensable for winter blooming. 50 cents.
 “ VREELANDII. Similar to Davidsonii; said to be an improvement on that variety. 50 cents.

BOUVARDIA—CONTINUED.

- BOUVARDIA ELEGANS.** Color scarlet carmine ; flowers and truss of immense size, larger than any other variety,
 “ **VAN HOUTII.** Smooth green leaves, crimson flowers.
 “ **DELICATA.** Delicate flesh.
 “ **JASMINOIDES.** A valuable plant for bedding and conservatory groups ; flowers snow white. 50 cents.

MONTHLY OR TREE CARNATIONS.

One of the most valued of all plants, either for decoration of the flower garden in summer or for the greenhouse or parlor in winter. The flowers are of nearly every shade and marking, and most of them delightfully fragrant. For winter bouquets and cut flowers, it is, perhaps, the most valuable of all flowers, as it continues in bloom from October to April.

Next to the rose, they are among our choicest flowers.

Price 25 cents each ; \$2.50 per dozen.

ASTORIA. Yellow edged scarlet, white and crimson.

DEFIANCE. Large, dark crimson.

GENERAL GRANT. Pure white.

GRAND CONDE. Variegated cherry and white, new color.

HENRY CLAY. Fine deep crimson, vigorous grower and free bloomer.

LOUISE LENOIR. Light red, mottled with white, constant, and free.

LA PURITIE. Deep carmine, extra.

LA PURITIE VARIEGATA. Blush carmine stripe.

MA GLORY. Red and yellow, showy, splendid.

PRESIDENT DEGRAW. White, tinted, fine.

FLORISTS' PINKS.

More dwarf than the carnation ; flowers full double, clove scented, mostly maroon, carmine and rose shades, beautifully laced with white ; excellent for summer bouquets.

Price, named sorts, 25 cents, \$2 per dozen.

Alice,	Ella,	Mrs. Stevens,	Pumila,
Annotdale,	Esther,	Nina,	Rose of England,
Brunette,	Gen. Lafayette,	Prince Arthur,	Sarah Howard,
Claude,	Juliet,	“ Alfred,	Tennison,
Double Fringed,	Laura Wilmore,	Peony,	Tom Long,
Defiance,	Mrs. Hobbs,	Pluto,	Variabilis.
Earl of Carlisle,			

GOLDEN COLEUS.

This new section of *Coleus*, grown in contrast with the dark varieties the effect in the conservatory is magnificent, and for bedding purposes their rare shades of color—golden bronze, carmine bronze, brownish crimson, etc.—are wonderfully effective.

Price 20 cents each ; \$1.50 per dozen.

ALBERT VICTOR. Center purplish red, broad yellow margin.

HER MAJESTY. Bronzy red center, greenish yellow margin.

PRINCESS ROYAL. Center reddish bronze, light yellow edge.

SETTING SUN. Rich bronze crimson center, bright golden edge.

COLEUS.

No ornamental foliaged bedder has, after thorough trial, given such perfect satisfaction ; very striking, and of the most excellent habit ; leaves crimson, purple, velvet, blackish, maroon, yellow, green and bronze, in all imaginable combinations.

Price 20 cents each ; \$1.50 per dozen.

COLEUS BEAUTY. Rich velvety purple, edged pale green.

“ **BEAUTY OF WIDMORE.** Carmine and green, white margin, deeply toothed, nerves crimson, distinct.

COLEUS—CONTINUED.

- COLEUS BERKLEYII.** Rich chocolate purple, deep shade of maroon, netted with green.
- “ **FAIR OAKS.** Foliage dark purple, green serrated margin.
- “ **GETTYSBURG.** Very dark crimson, well-defined green margin.
- “ **GIBSONII.** Foliage deep green, dark maroon veins and stalks.
- “ **GOLDSMITH MAID.** Leaves edged with yellow, deep carmine center.
- “ **LACINIATA.** Yellow cut leaved, marked crimson.
- “ **MADAME RISTORI.** Yellow edged, carmine center.
- “ **PERFECTION.** Ground color bronze-purple, spotted and netted with green.
- “ **PRINCE CHARLEY.** Leaves edged light green, center maroon bordered with chocolate.
- “ **PRINCE OF WALES.** Foliage dark purple violet, with light shades.
- “ **PRINCESS BEATRICE.** Beautiful rosy lilac, gold margin.
- “ **QUEEN VICTORIA.** Rich bronzy crimson, with bright golden nerves.
- “ **SPANGLE.** Leaves rich green, traversed with rich crimson veins.
- “ **SURPRISE.** Rich velvety bronze, clearly-marked margin of green.
- “ **VERSHAFFELT.** The oldest and one of the best, crimson, green and bronze.
- “ **WILSONII.** Crimson, with a green fringed edge.

CHRYSANTHEMUM.**NEW VARIETIES OF 1871.**

Large flowering. The popularity of these plants increases every season. They are indispensable for autumn decoration, and equally valuable for parlor or greenhouse; entirely hardy and free growers; can be cultivated with ease in any garden soil.

Price, 50 cents each, except noted. The set for \$7.00.

- ACQUISITION (Anemone).** Rose lilac and yellow, petals broad and regular, centre very high and round, a splendid flower.
- ARIADNE.** Buff, shaded yellow.
- ATRO-RUBENS.** Dark red carmine, fine color.
- BISMARCK.** Yellow and bronze, very large. 75 cents.
- CAMPESTRONI.** Purplish crimson, fine color.
- CASSANDRA.** White, with rosy tip, incurved, fine.
- CHERUB.** Golden amber, with rosy tint.
- DR. SHARP.** Crimson, very fine.
- FELICITY.** Pure white, with a lemon centre, petals broad, stiff and finely incurved, habit dwarf, and compact.
- GEORGE PEABODY.** Pearl white, back of petals dark lilac purple, beautifully incurved, very double; one of the most novel varieties ever raised.
- GUERNSEY NUGGET.** Primrose yellow, large.
- JARDIN DES PLANTES.** Golden yellow, fine.
- JULIA LAGRAVERE.** Dark velvety crimson.
- LUNA.** Golden yellow, with small brown tips incurved.
- RENOWN.** Bright orange and brighter center, flowers very large, full and finely incurved.
- ROBERT BRUCE.** Rich crimson, fine quality. 75 cents.

The following are older varieties, and the stock being larger, they are offered at cheaper rates.

Price 20 cents each; \$2.00 per doz.; our selection, \$1.50.

- ALPHONSE BOISDUVAL.** Large, copper-colored.
- BLONDE BEAUTY.** An incurved flower of the most perfect construction, medium size, color white, with delicate stripes and tips of the palest rose.
- COUNT CAVOUR.** Rose carmine.

CHRYSANTHEMUM—CONTINUED.

- COUNTESS OF WARWICK. Sulphur white.
 FAVORITE. White and sulphur yellow.
 FINETTE. Lilac peach anemone, lighter center, free blooming, dwarf habit.
 GENERAL BAINBRIDGE. Orange and bronze.
 GLOIRE DE MONTROUGE. Yellow and red.
 GOLDEN BEVERLY. Golden yellow, finely in-curved.
 GOLDEN HERMIONE. Gold and carmine, tipped buff.
 IONA. Bright citron yellow.
 LADY TALFOURD. Rosy lilac, in-curved petals.
 LADY ST. CLAIR. Creamy white, beautifully in-curved.
 MARGARET OF ANJOU. Nankeen yellow.
 MISS MARY MORGAN. Delicate pink, with rich, broad, in-curved petals.
 MR. GEO. HOSKIN. Flower in-curved, color warm lilac, with silvery turn-over.
 MR. EVANS. Very dark chestnut, with lighter center, beautifully in-curved.
 OLIVER CROMWELL. Very double, rich, deep, velvety crimson, profuse bloomer.
 ORANGE ANNIE SALTER. Bright orange flowers, well adapted for specimens.
 PINK PERFECTION. Soft pink, the lower petals tinted with a darker shade.
 PLENIPO. Rose purple, with silvery shade, very double, and of large size.
 PRINCESS CHARLOTTE. Rosy blush anemone, high center, of darker color, fine.
 PRINCESS THYRA. White anemone, with sulphur center, extra fine.
 PRINCE ALFRED. Splendid white.
 PRINCE LOUIS OF HESSE. Lilac shaded white.
 QUEEN MARGARET. Large, rosy lilac.
 RANDOLPH. Carmine, purple, fine.
 RIVAL LITTLE HARRY. Golden amber, very double, robust habit.
 ROTUNDIFLORA. Pearl white, as the flower expands, it becomes a complete ball.
 TRIUMPH DU NORD. Large, light red.
 WHITE EVE. Pure white, of exquisite form and wax-like appearance.

JAPANESE CHRYSANTHEMUM.

NEW VARIETIES OF 1871.

In this novel and beautiful class there are many striking varieties, to make the house and greenhouse gay during the dull winter months; their immense blooms having more the appearance of tassels formed by the gay plumage of tropical birds than of flowers.

Price 50 cents each, except noted, the set of nine for \$4.50.

- ADMIRANDA. White, shaded with carmine. 75 cents.
 ABDEL KADER. Rich crimson maroon.
 BLANCHE DE CASTILE. White and lilac; golden center. 75 cents.
 CRY KANG. Lilac and white; large. 75 cents.
 ERECTA SUPERBA. Creamy yellow; fimbriated.
 JANE SALTER. White bordered and striped with rosy lilac. Flowers of large size, with long curled petals.
 LA COQUETTE. Golden thread-like petals.
 MAGNUM BONUM. Rosy lilac, with lighter back; the flowers are very large, with broad, flat fringed petals.
 WIZARD. Red maroon; long petals.

The following varieties are of previous introduction.

Price 20 cents each; \$2.00 per dozen; our selection, \$1.50.

- AVANTIUM. Large, golden, very double.
 BARON DE PRAILLY. Lilac and white.
 BOULE D'OR. Canary, orange center.
 DR. MASTER. Distinct and showy, with long, sword-like florets, and center of bright yellow, changing to red as the flowers expand; the florets then become tipped with gold.
 DUC DE LAYNES. Reddish yellow, thread-like petals.
 GOLDEN LOTUS. Bright golden orange.

JAPANESE CHRYSANTHEMUM—CONTINUED.

- GRANDIFLORUM. Large, bright golden yellow, tasseled.
 GRAND TURK. Purple, very large.
 HERO OF MAGDALA. Blood red, the reverse of the petals, orange buff, showing two distinct colors in the same flower.
 JAPONICUM. Tasseled or in-curved yellow and gold.
 J. UNCH. Carmine shaded, hollow petals.
 JUNO. Large, pure citron yellow, flowering in the form of large tassels.
 JUPITER. Large amber, changing to buff; flowers of immense size.
 LACINIATUM. Very double, beautifully fringed, and of the clearest white, changing to lilac; very useful for winter flowers.
 J A CHINOISE. Maroon, golden tips.
 MADAM CHAPON. Orange and yellow.
 MADAM GODILOT. Long red thread-like petals.
 METEOR. Bright golden yellow, changing to orange, petals curiously curled.
 PURPUREA ALBA. Rich purple, mottled and spotted white, not unlike a bunch of purple ribbon, formed into a loose tassel.
 QUILLED WHITE. Pure white, quilled; late bloomer.
 RED DRAGON. Large, red and bronzed, tasseled.
 ROSEA PUNCTATA. White, open, very distinctly spotted rose.
 STAR. Large, orange, yellow petals, radiating from a golden disc.
 THE MIKADO. Golden yellow, changing to orange, very double, of immense size.
 THE DAIMEO. Pink, becoming lilac.
 TRIUMPH DE HEYERS. Orange red, curled petals.
 YELLOW DRAGON. Very large, quilled or in-curved, deep yellow, distinct and beautiful.

POMPONE, OR DAISY CHRYSANTHEMUM.

NEW VARIETIES OF 1871.

A dwarf variety of the Chrysanthemum, having small, close, compact, Daisy-like flowers, especially adapted for house culture for winter blooming.

Price 50 cents each, except noted; the set for \$5.00.

- BISCOLOI. Canary yellow, purple tips.
 CRAVACHON. Dark claret-crimson.
 LOUISET TESSIER. Purple and white.
 MR. LIABUND. Canary yellow, purple tips.
 MR. LASSANCE. Very deep red.
 MIGNATURE. Lively carmine, snow white tips.
 PRINCE ALBERT OF PRUSSIA. White fimbriated.
 PRINCE VICTOR. Dark red maroon.
 PRECOSITE. Jonquil yellow. 75 cents.
 ROSE D' AMOUR. Clear rose, full size.
 SINBAD. Bronze rosy purple.
 SURPRISE. White tipped rose.

The following older varieties of previous introduction.

Price 20 cents each; \$2.00 per doz.; our selection \$1.50 per doz.

- ANDROMEDA. White tipped rose.
 BIJOU DE HORTICULTURE. Creamy, early.
 BOB. Velvet crimson.
 DELPHINE. Pink, small, compact, free bloomer
 EMILY BEHOVEL. Pure white, fine.
 FAIREST. Lilac blush, silver tip.
 FAVORITE. Creamy, changing to pure white.
 GEM. Peach, striped crimson.
 JAMES FORSYTH. Crimson, very early.
 LITTLE BEAUTY. White, tipped crimson,
 MELINDA. White, lemon and lilac.
 MONS. EUG. LACROIX. Lilac carmine.
 PERI. Dark yellow, with red points.
 PRINCE OF LILLIPUTS. Bright red, very fine.
 RANDOLPH. Light purplish crimson.

POMPONE—CONTINUED.

ENSATION. Variegated foliage, pure white flowers, fine.

ALAMO. Globular, bronzy yellow.

TORFRIDA. Golden amber.

TURRIS EBURNEA. Fine white, petals in-curved.

VIOLA. Violet, blush tipped.

DAHLIAS.

Most popular Summer and Autumn flowers, truly magnificent, almost a new Floral Creation, so improved and unlike the original. They need thorough protection from winds, with a mixture of sand in very heavy or adhesive soil. Wire hoops, set in stakes, make a neat support. The Dahlia is impatient of shade and drought, and likes DEEP, RICH, MOIST SOIL. We have never seen such displays as on our grounds for several years past.

Our collection being largely of best New Sorts, we have of many kinds but few dry roots. Where agreeable, let orders be for number of each color wanted. A full assortment by name can be better furnished from Pot Plants. These are planted from time Spring frosts cease, May 10th or 15th, to June 15th, or later on quick, warm soil. If well established and cultivated, pot plants are preferred for blooming.

In addition to the following list, I have upwards of 150 others of well-known and popular varieties, previously described in former Catalogues. When ordering, and no particular named varieties are wanted, by naming the desired colors, I can select varieties that will give better satisfaction than if selected by yourself.

In Fall, before frost, heap dirt about crowns; after tops freeze, cut them off, take up the roots, DRY OFF, and pack away in sand or ashes, in cellar where they will not freeze.

Price: Plants in pots, 20 cents or \$2.00 per dozen. Dry roots, 40 cents each, or per dozen, our choice, \$3.50.

AGLÆ. Lilac pointed, white.

ALBA AURICULATA. Beautiful light yellow, tipped scarlet.

AMAZON. Beautiful orange scarlet.

ANNA KEYNES. White, delicately tipped lilac.

ARETHUSA. Crimson, occasionally tipped white.

AUERBACK. Buff scarlet.

BIANCA. Deep purple, fine.

BERTHA VON BOVIN. Red, tipped with white.

BIRD OF PARADISE. Scarlet, extra.

BIRD OF PASSAGE. White-pink edge.

BRIDE OF ROSES. Light rosy blush, cherry tipped.

CHANG. Yellow tipped and mottled with scarlet.

CHARLES TURNER. Bright yellow, edged with crimson.

CLAUDIA. Scarlet, dwarf.

CLAUDE PERFECTION. Scarlet, very large.

CONQUEROR. Large, white.

COSSACK. Maroon, flowers small, very compact.

DOUGLASS JERROLD. Salmon pink.

DR. KOSIER. Scarlet, fine form.

DR. SCHWEPPE. Scarlet, single, very compact.

DUCHESS OF CAMBRIDGE. Light pink, tipped red.

DUCHESS D'ORLEANS. Purple, fine.

DUCHESS OF RICHMOND. Deep maroon.

DUCHESS OF WELLINGTON. Yellow, shaded purple.

DUKE OF NEWCASTLE. Amaranth, fine.

ERNST CARPENTER. Red, blotched white.

FIREFLAME. Scarlet, shaded white.

FLAMBEAU. Deep yellow, edged with lake.

FLYING DUTCHMAN. Yellow, tipped purple curious.

FRANZ HOFFMAN. Fine deep red.

GEM OF LILLIPUTS. Fine dark scarlet.

GERMAN SUN. Beautiful golden yellow.

GLADIATOR. Lemon white, pink tipped.

GRAND DUKE NICOLAS. Scarlet.

GRANT THORBURN. Very large, purple.

DAHLIAS—CONTINUED.

HOFFMEISTER. Crimson.
 JAUNE DE PACY. Yellow.
 KANT. Pure white.
 LADY DOUGLASS. Light, dotted and splashed with crimson.
 LADY HERBERT. Light orange, edged crimson.
 LORD BATH. Fine purple.
 LORD WARDEN. White scarlet margin.
 MADAME RENDATLER. Crimson, very dark.
 MADAME R. LEON. Beautiful soft lilac.
 MADAME ZAHLER. Yellow, large, beautiful.
 MAGICIAN. Purplish red.
 MELVINA. Purple, striped crimson.
 MEPHISTOPHELES. Crimson.
 MISS JOY. Buff, beautiful.
 MISS RUTH. Yellow, tipped white, extra.
 MISS SUMNER. Lilac.
 MISS TROTTER. Large, light purple.
 MRS. SIGOURNEY. Beautiful blush.
 MT. VESUVIUS. Splendid, scarlet.
 NOBLE LADY. Beautiful, soft lilac.
 OBLATA. Beautiful, creamy white.
 OCTAROON. Purple and white striped, and spotted with mulberry.
 OELLET CHARMANT. Rosy purple, striped maroon.
 OTHELLO. Fine dark purple.
 PLAUSIBLE. Crimson.
 P. F. WILLIAMS. Yellow, striped crimson.
 PRINCESS DE LIGNE. Fine purple, tipped white.
 PRINCESS ALICE. Light, tipped lilac.
 RICHARD SMITH. Maroon, tipped white, early, very fine.
 REMARKABLE. Dark striped and shaded.
 ROUGARETTE. White, edged purple.
 ROSY GEM. Pretty, light purple.
 SIR GREVILLE SMITH. Yellow, shaded purple.
 SUNBEAM. Crimson, tipped white.
 SOUVENIR DE GREMONT. Yellow.
 S. P. CHASE. Splendid scarlet.
 SURPRISE. Buff scarlet.
 STRIATA PERFECTA. Lilac, striped maroon and crimson.
 STARLIGHT. Orange yellow, tipped with carmine.
 SURETY. Shaded fawn and orange.
 TARANTELLA. Scarlet.
 THE PET. Pure white, edged crimson.
 TRIOMPHE DE PECK. Brick red.
 TRIOMPHE DE ROUBAIX. Amber, tipped red.

POMPONE, OR BOUQUET DAHLIAS.

These beautiful Dahlias grow equally as free as the large varieties, and bloom more abundantly. Their brilliancy of colors and profuseness of flowers render them a great acquisition to the garden.

Their miniature size (varying from one to three inches in diameter) makes them valuable for bouquets and decorative purposes.

BLUSHING BRIDE. White, shaded lilac.
 BOUQUET. White, small, perfect form, pure white.
 EMPEROR. Crimson purple, edged carmine.
 FREEBOY. Carmine, white base.
 GERMAN DAISY. Shaded rose, merging into blush pink.
 KLEINE ELSTERNIXE. Purplish crimson, free bloomer.
 KLEINE HERMAN. Purple, tipped white.
 KLEINE GERNGROSS. Beautiful bright scarlet.
 LITTLE BESSIE. Scarlet, tipped creamy.
 LITTLE DARLING. Pretty, rosy lilac.

POMPONE—CONTINUED.

- LITTLE DORRITT.** Deep scarlet, very double.
LITTLE ELIZABETH. Small, double lilac.
LITTLE HARLEQUIN. Buff, shaded crimson.
LITTLE PHILLIP. Buff, tipped bright crimson.
LITTLE PRINCE. Orange scarlet.
LITTLE SNOWBALL. Pure white, full round ball.
LITTLE WILHELMINE. Beautiful crimson, touched carmine.
LILACINA. Light lilac.
LOUIS SPATH. Yellow and purple.
MARY WELLS. Yellow, tipped scarlet.
MARKRANSTADT. Small, crimson and buff, quilled.
OLIVIA. Rich deep crimson.
SNOWFLAKE. Beautiful pure white, compact grower.

FUCHSIAS.

NEW VARIETIES OF 1871.

In shaded situations, with plenty of air and light, Fuchsias make very elegant summer blooming plants; they prefer light, rich soil, and when growing, to be freely supplied with water; they are also superb plants for the conservatory or greenhouse, in early summer. Great additions have been made to this popular plant, in the New Double, the Double and Single White Corollas, and the ornamental foliage varieties.

ALBERT MEMORIAL. Violet-purple corolla, very large and long, immensely broad, thick, leathery sepals, perfectly reflexed, very free; said to be the very best double Fuchsia yet sent out. \$1.00 each.

ARABELLA IMPROVED. A decided improvement on the good old variety called Arabella. A splendid market variety, of strong habit, very large bloom, and will doubtless prove the most popular light Fuchsia ever sent out. Price 75 cents each.

AVALANCHE. A fine, double-white corolla Fuchsia, compact and beautifully formed, flowers of extra size, of brilliant carmine scarlet. \$1.00 each.

BEACON. A fine, large flower, with deep rose tube and sepals, and bright carmine corolla, shaded with violet, and marked with rose at the base; the corolla is of immense size, and good substance. 75 cents.

CARRIE SYMES. Coral red, white corolla, extra fine. 75 cents each.

DICTATOR. Bright red tube and sepals, the latter tipped with green and completely reflexed; corolla of a bright violet plum color, marked with rose at the base; a very attractive variety. 75 cents each.

H. G. HENDERSON. Large bright coral scarlet, tube and sepals very large, round parachute corolla, of a rich plum blue tint, merging into violet red. 50 cents.

IMPROVEMENT. Bright vermillion sepals, tube glossy carmine, sepals recurved, forming a Turk's cap, corolla large deep violet blue, tinted with carmine at the base, of bushy and compact growth. 50 cents each.

JOSEPHINE. Tube and sepals of great substance, fine, large, open, bright-rose colored corolla, of robust habit, extra. 50 cents each.

KING OF THE STRIPES. Said to be the finest striped variety ever sent out. 75 cents each.

MONARCH. Flowers of enormous size, bright red tube and sepals, and rose colored corolla, shaded with violet; the corolla is large, of good substance, and well expanded; the sepals are immensely long and elegantly reflexed. A magnificent variety. 75 cents each.

NOBLESSE. Crimson scarlet sepals, pure and smooth, broad and finely recurved, corolla violet black, large and fine. 75 cents each.

RHODERICK DHU. Sepals bright scarlet, well recurved, corolla parachute shaped, lavender blue. 50 cents each.

TRIUMPHANS. Sepals rich crimson, corolla intense violet; a fine double variety. 50 cents each.

UMPIRE. An exceedingly distinct and pretty variety, widely reflexed petals, of a rich crimson color, full corollas, of a very deep purple, attractively blotched with bright rosy carmine. 50 cents each.

WHITE EAGLE. White corolla, with rich scarlet tube and sepals recurved; a free blooming variety, with three flowers at each axil. 75 cents each.

FUCHSIAS—CONTINUED.

Price 20 cents each ; \$2.00 per dozen, except noted.

- ALBA COCCINEA. Tube crimson, sepals white, corolla violet.
 ALEXANDRINA. Tube and sepals scarlet, corolla pure white.
 AMERICA. Crimson corolla, white sepals.
 AVALANCHE. Bright carmine sepals, large double, dark violet corolla, with a red feather radiating from the base ; extra fine.
 CLIO. A light variety, of dwarf habit.
 COCCINEA ROSEA. Long blush white, tube and sepals, rose corolla.
 DIADEM. Scarlet, corolla crimson, double.
 DUCHESS DE GEROLSTEIN. White tube and sepals, corolla crimson.
 E. G. HENDERSON. Double, sepals plum color, large and well reflexed.
 FAIRY. Dwarf, scarlet, corolla white.
 FRANCIS DESBOIS. Red, double, corolla violet.
 FULGENS. Fine, large scarlet ; old and very distinct.
 GEORGIANA. Pure white, corolla red.
 GOLDEN FLEECE. Beautiful golden foliage, dwarf habit.
 HERCULES. Double, very large, violet corolla.
 LADY OF THE SEA. Sepals carmine, scarlet, corolla a rich blue.
 LUSTRE. Vivid vermillion corolla, waxy white tube and sepals.
 MADAM CORNELISON. Double, white corolla, extra.
 MARSHAL McMAHON. Red tube, violet corolla.
 MARQUIS OF BRISTOL. Double, sepals dark scarlet, carmine corolla.
 METEOR. Novelty, shaded foliage.
 NORFOLK GIANT. Sepals carmine, crimson corolla, rich violet blue, double.
 OMAR PASHA. Scarlet tube and sepals, dark crimson corolla.
 PICTURATA. Corolla pure white, sepals and tube vermillion red.
 PILLAR OF GOLD. Leaves golden yellow, purple shaded, compact habit.
 PRINCE IMPERIAL. Scarlet and violet, dwarf, extra.
 PRINCESS OF PRUSSIA. Corolla white, fine.
 PURITANI. Crimson, corolla white.
 ROSE OF CASTILE. Bluish white, early.
 SECRETAIRE. Double, clear carmine, spotted violet.
 SIR COLIN CAMPBELL. Tube and sepals dark scarlet, corolla dark purple, double.
 SPECIOSA. Very large, crimson and pink, winter blooming.
 STRIPED UNIQUE. Tube and sepals scarlet crimson, corolla double, purple with scarlet stripes, distinct.
 SYRINGÆFLORA. A distinct species, forming trusses of small carmine flowers, an excellent winter flowering plant.
 TRICOLOR. Blush white tube and sepals, purplish carmine corolla.
 VARIEGATA. Foliage variegated.
 VICTOR EMMANUEL. Double, sepals coral red, corolla fine double white.
 WAVE OF LIFE. Scarlet sepals, well re-curved, corolla violet blue, habit pyramidal, the golden tinted foliage forms a beautiful contrast with the bloom.

GERANIUMS, (NEW DOUBLE).

NEW VARIETIES OF 1871.

The class of Double Flowered Geraniums forms an interesting and valuable addition to the floral world, not only for their novelty, but their great value for bedding purposes. They have proved themselves superior to the single varieties, not being so much affected by the heat of summer, throwing up their immense heads of gorgeous flowers, and, like all double flowers, being of long duration.

- BOUCHARLAT AINE. A new continental variety. \$1.00.
 C. GLYM. Orange scarlet ; very dwarf. \$1.00.
 CONQUEROR. Flowers large and full rich vermillion color, with a conspicuous white eye ; very handsome and attractive ; excellent for pot culture and a first-rate bedder. 75 cents.
 CONSUL. Very full and double, with immense trusses of bright carmine flowers produced in the greatest profusion. 75 cents.
 CROWN PRINCE. Flowers of a deep rose carmine color, most distinct in character from existing varieties. Shirley Hibberd, speaking of this variety, says the color is delightful, and surpasses every variety single or double. \$2.00.

GERANIUMS—CONTINUED.

- GOLIAH. A new continental double variety. \$1.00.
 KING OF THE DOUBLES. The largest and best shaped pip of *all* the doubles. Color, a beautiful bright cerise, and very free ; a noble variety. \$1.00.
 LOUIS VAN HOUTE. A dark scarlet, with long foot stalks to each pip. \$1.00.
 MADAME BOULARD. Vivid rose ; very dwarf. \$1.00.
 MADAME GEBHARD. Lake carmine ; very large. \$1.00.
 MONT DE ST. JEAN. Immense trusses of large salmon-tinted, rose-colored flowers ; probably the largest fully expanded of the double flowers. \$1.00.
 MR. GLADSTONE. Large flowers, rich rose tinted with orange. \$1.00.
 MEMMON. Rosette-like flowers, of a bright and attractive rosy scarlet color, of good compact habit and beautifully formed. 75 cents.
 SCEPTRE LORAIN. Cerise, very dwarf, of free habit. \$1.00.
 VICTOR LEMOINE. Dazzling scarlet, trusses and blooms of fine quality. \$1.00.
 VILLE DE NANCY. Fine large rosy carmine flowers. 75 cents.

The following varieties are offered this season mostly at reduced prices :

- ANDREW HENDERSON. Deep scarlet ; very large. 50 cents each.
 E. G. HENDERSON. Globe-shaped, truss of very double flowers ; color fiery carmine ; habit dwarf and compact. 50 cents each.
 IMPERATRICE EUGENIE. Vivid rose color, immense trusses of great beauty ; color very distinct. 50 cents each.
 LA VESUVE. Immense trusses of glowing scarlet flowers, large and very double. 50 cents.
 MADAME LEMOINE. Bright rosy pink of the most pleasing shade, a free bloomer ; fine truss. 50 cents each.
 MARIA CROUSSE. Beautiful bright rose color, spotted with white, large size, very full and double, \$1 each.
 MARIE LEMOINE. Chaste pink, of dwarf habit, immense trusses, a novelty in color. 75 cents each.
 ROSE QUEEN. Clear, deep rose color, trusses large and globular, compact and bushy habit. \$1 each.
 VICTOR. Bright orange scarlet color, flowers striped and flaked with white ; most showy double variety. \$1 each.
 WILHELM PFITZER. Very double, perfect shape and dazzling orange scarlet color ; a very dwarf variety ; plants only five inches high ; the individual flowers are very large. 50 cents each.

The following varieties, 25 cents each ; \$2.50 per dozen.

- AUGUSTE FERRIER. Bright scarlet, striped with white, very showy.
 CAPTAIN L'HERMITE. Bright berry, shaded amaranth.
 EMILIE LEMOINE. Red, with scarlet center, attractive.
 GLOIRE DE NANCY. Carmine, full double, rosette-like flowers, splendid.
 MADAME ROSE CHARMEUX. (Double Tom Thumb), brilliant, scarlet.
 SURPASSE GLOIRE DE NANCY. Large, double, bright carmine.
 TRIUMPH DE GREGORIAT. Orange scarlet, semi-double, full.
 TRIUMPH DE LORRAINE. Very choice, cherry carmine, occasionally striped.
 TRIUMPH THUMESNIL. Cherry violet, very large truss.

GERANIUMS (SCARLET, OR ZONALE AND NOSEGAY).

Scarcely rivaled as bedders — of the surest growth on all soils, succeeding to perfection during the heat and drought of summer, of rich, massive, and often gaily zoned foliage ; compact growth and profuse, constant brilliant bloom in scarlet, crimson, salmon or pink and white. They are equally valuable and beautiful for winter blooming in the house.

Price, strong blooming plants, except noted, 25 cents each ; \$2.50 per dozen. Our choice, \$2.00 per dozen.

SEED OF MY OWN SAVING, SELECTED FROM THE CHOICEST NAMED VARIETIES, 15 cents per packet.

- AURANTIA STRIATA. Foliage brightly zoned, flowers striped orange and white. 50 cents.
 BEATON'S NOSEGAY. Carmine crimson.
 BEATON'S RIVAL. Rich orange scarlet.

GERANIUMS—CONTINUED.

- BEAUTY OF SURESNES. Beautiful white rose, center white.
 BICOLOR. Nearly white, with salmon center, leaves richly zoned. 50 cents.
 BLACK DWARF. Nosegay, crimson scarlet.
 BLACK BAND. A handsome variety, of compact habit, leaf medium size, well expanded, flowers brilliant scarlet.
 BRIDAL BEAUTY. White, with broad carmine eye. 50 cents each.
 CARMINATA. Clear salmon, profuse bloomer, a fine dark zone, splendid bedder.
 CARDINAL. Rose, shaded carmine and pink, profuse.
 CHIEFTAIN. Bright orange scarlet, large truss, fine habit.
 CHRISTINE. Rich rose pink.
 CONQUEROR. Orange scarlet, large truss, rich foliage, compact habit.
 CRIMSON BALL. A dwarf, vigorous grower, of compact habit, crimson ball of flowers, a profuse bloomer.
 CRIMSON NOSEGAY. Color deep crimson, intensely brilliant.
 CYBISTER. Brilliant crimson scarlet.
 DONALD BEATON. Immense orange scarlet.
 DR. LINDLEY. Orange scarlet.
 DR. KOCH. Deep rich purplish crimson with white eye, large pip and truss.
 DR. MURET. Large trusses of orange flowers, a splendid bedder, and superb variety.
 FIRST FAVORITE. Clear bright orange scarlet, with a white eye, immense trusses.
 GRACIE. Blush white, rosy pink eye, very distinct.
 GLOW. Brilliant scarlet flowers, large trusses well formed, and circular, fine dark zone.
 GALANTHÆFLORA. White, red anthers.
 GEN. GRANT. Extra fine, new scarlet, large truss, a profuse bloomer, stands the summer sun well, flowers of immense size.
 GEN. SHERIDAN. Rich scarlet, flowers large, of perfect form, one of the best bedders in cultivation.
 GLORY OF CORBENA. Salmon, margined white.
 HARKAWAY. Very dwarf, scarlet.
 HERALD OF SPRING. Free, orange scarlet.
 HON. G. HARDY. Vivid orange scarlet, well-rounded truss, of excellent habit.
 INCOMPARABLE. Foliage richly zoned, flowers salmon, striped white.
 INDIAN YELLOW. Orange, shaded yellow.
 LALLAH. Salmon, shaded white.
 LADY G. GROSVENOR. Intense fiery scarlet, changing to violet.
 LE GRAND NOSEGAY. Dwarf, vigorous habit, with immense trusses of scarlet-crimson flowers.
 LUCIUS. Scarlet, shaded carmine.
 LUSTRE. Bright scarlet, large truss, compact.
 MADAME M. VINCENT. Flowers pure white, large truss, vigorous.
 MADAME DUREAU. Pink, very fine eye, distinct.
 MAID OF KENT. Pure lake rose pink, upper petals touched white.
 MAGENTA CHRISTINE. Color rich deep lake rose, dwarf compact habit, a superb variety. 50 cents each.
 MARIE VAN HOUTE. Scarlet, shaded red.
 MINSTREL. Deep crimson lake.
 MRS. SMITH. Pure white, very fine, a free bloomer.
 QUEEN OF THE WEST. Flowers bright orange, very large truss, excellent foliage.
 ROSE RENDATTLE. Fine rose pink, good truss.
 SAMBO. Dark scarlet flower, leaves very distinct.
 SIR JOS. PAXTON. Orange scarlet, large flower and truss.
 STELLA. Dwarf, very large truss, of dark scarlet flowers.
 TOM THUMB. Dwarf, very free, scarlet.
 VIOLET HILL NOSEGAY. A bright lake rose, blending into a violet tint, a distinct and beautiful variety.
 WARRIOR. Extra large, light scarlet.
 WHITE LADY. White, red anthers.
 WHITE PERFECTION. Pure white.

LILIPUTIAN ZONALE GERANIUMS.

A dwarf section of the Zonale, selected from varieties growing from six to twelve inches in height, yet possessing size of truss and flowers equal to most of the larger growing sorts.

Price 30 cents each. The set of five \$1.25.

CUPID. Light copper rose, white center.

LITTLE DEAR. Delicate rose with white spots.

LITTLE GEM. Brilliant vermilion, white truss.

LITTLE HARRY. Scarlet, light center, good truss.

LITTLE PET. Rose blush ; very pretty.

GERANIUMS—BRONZE, GOLD AND SILVER EDGED.

Most elegantly variegated in foliage, the flowers pink, carmine and scarlet. As robust and vigorous in growth as the plain leaved varieties, having beautiful broad leaves, of plain golden color, or with rich bronze zones, they are admirable for contrast with the other colors. In partial shade they succeed well as bedders.

Price—except noted—25 cents each · \$2.50 per dozen.

ALMA. Scarlet, silver-edged leaves.

BEAUTIFUL STAR. Zone rich flamed red, of great width, upon a bright yellow leaf margin ; fine bedder. \$2.00.

BIJOU. Pure white, and green ; good bedder.

BRILLIANT. Deep scarlet ; free flowering ; very effective.

BEAUTY OF CALDERDALE. Leaves, greenish yellow, with broad zone of reddish bronze ; large, regular and handsome.

CLOTH OF GOLD. Foliage yellow, very brilliant scarlet flowers.

CRYSTAL PALACE GEM. Yellow, green disc, good bedder, fine foliage.

FAIR EMILY. Rich golden margin, zone brilliantly belted with flamed red leaves of great substance. \$2.00.

FLOWER OF THE DAY. Leaves silvery, margined with white scarlet flowers.

GOLDEN CHAIN. Variegated green and gold.

GOLDEN FLEECE. Golden, with bronze zone.

GOLDEN CIRCLE. A rich self gold leaved bedding variety, of dwarf, compact habit ; medium size and good outline ; an effective kind for beds, belts, or ribbons. 50 cents.

ITALIA UNITA. Silver margined leaves, bronze colored center, bordered with carmine, flowers bright scarlet, conspicuous white eye. 50 cents.

JEWISH MAID. Dwarf miniature variety, compact habit, bright carmine scarlet zone, on gold belt. \$2.00.

LA PHENIX. Good habit, flamed yellow, crimson and green ; occasionally striped. \$1.00.

LADY PLYMOUTH. A variety of the old favorite, rose scented with silver, variegated leaves, beautiful and fragrant. 50 cents.

LASS O' GOWRIE. Leaves margined white, with inner broad zone, of bright carmine rose. \$5.00.

MANGLESIL. Green and gold variegated.

MOUNTAIN OF SNOW. Foliage white margined, splendid.

MRS. LONGFIELD. Yellow, fine bronze zone.

MRS. POLLOCK. Bronzy crimson, light green and yellow.

PETER GREIVE. Rich gold margin, and brilliant zone of flamed scarlet ; a splendid variety. \$5.00.

QUEEN VICTORIA. Bright rose red zone, very fine.

REINE D'OR. Leaves bright green, encircled with a bright golden yellow band.

SILVER PHEASANT. Leaves white, carmine and green, flowers rose. 50 cents.

SILVER QUEEN. Light green round foliage, margined white.

SOPHIA DUMARESQUE. Broad golden margin, dark zone with scarlet shading. 50 cents.

SURPRISE. Ground color of leaf pea-green, yellow and dark crimson zone ; flowers rose crimson.

VANDYKE. Creamy yellow foliage, scarlet bronze zone ; rosy salmon flowers.

GERANIUMS, LARGE FLOWERED, OR PELARGONIUMS.

The Pelargoniums are a charming class of plants, not alone for their attractive show, but for the usefulness of the flowers for bouquets and other decorations.

Price according to size, 30 to 50 cents; our selection, \$2.50 to \$3.50 per dozen.

ALBA REGINA. White, crims'n blotch.	MADAME HEINE. White, spotted plum.
AGNES. White, maroon blotch.	MAZEPPA. Light blush, with crimson spot.
AUGUSTUS ODIER. Spotted and striped.	MRS. NEWMAN. Rosy carmine, strip'd with white, subject to sport to the self color. 50 cts.
BIEDMAN. Pink, maroon spot.	NOVELTY. Pink, spotted very dark.
BELLE BLONDE. White, speckled crimson.	PANORAMA. White, tipped with rich carmine, lilac centre, black blotch and spot. 50 cts.
ECLIPSE. Crimson blotched, scarlet.	PRINCESS ROYAL. Silvery white, with deep lilac rose blotch.
E. G. HENDERSON. Pure white, with dark spots.	SIR J. ASHER. Scarlet, white and rose.
EUGENIE. Carmine, spotted.	STUART LOWE. Orange carmine.
GENERAL TAYLOR. Carmine, with crimson blotches.	TAMBERLIK. Crimson spotted.
GUILLAUME SEVERYNS. Purplish blue. 75 cts.	VESPER. White, plum spots.
HERMIONE. Black, spotted crimson.	VIRGINIA. White, crimson mark.
IGNEA. Scarlet, pencilled crimson.	VIRGIN QUEEN. White, with crims'n.
LORD DERBY. Rich crimson ground. 75 cts.	WILMORE'S SURPRISE. Double, scarlet, curious.
L'AVENIR. Rosy scarlet, striped with white.	
MADAME BERZANT. White ground, lilac tips, very distinct.	

GERANIUMS—HYBRID PERPETUAL, OR UNIQUE.

New, and exceedingly desirable from their rich foliage, vigorous growth, and constant bloom throughout the summer. Flowers in the Pelargonium style, though smaller. Colors crimson and rose, variegated with white and maroon. Price 40 cents each.

BRITANNIA. Brilliant scarlet crims'n.	PRETTY POLLY. Orange salmon.
CARDINAL RICHELIEU. Scarlet, blotched crimson.	PINK UNIQUE. Pink very fine.
COUNTESS OF DEVON. White, spotted maroon.	PICTURATA GRANDIFLORA. Flowers dark rose, distinctly spotted, very large, lemon scented.
GEM OF THE WEST. Scarlet, pencilled maroon.	SCARLET UNIQUE. Scarlet.
HYBRID INCOMPARABLE. Scarlet and black.	SYDONIA. Rose white, cherry stripes.
	TOUCHSTONE. Crimson violet.
	WHITE UNIQUE. White.

SCENTED GERANIUMS.

In great esteem for their deliciously fragrant foliage; excellent for both bedding and pot culture.

Price 25 cents each, except noted; \$2.50 per dozen, our selection.

APPLE, 20 cents each; \$2.00 per dozen; BALM, CITRON, FLORIBUNDA, LEMON, NUTMEG, PENNYROYAL, PEPPER, PEPPERMINT, QUERCIFOLIA, ROSE, ROSE BALM.

BRIDAL BEAUTY. White, carmine eye, lemon scented; 50 cents.

DR. LIVINGSTON. Skeleton leaved, highly fragrant, exquisite foliage for bouquets; 35 cents.

MYRRH, 25 cents. ODORATA; 50 cents. PRINCE OF ORANGE; 50 cents.

IVY-LEAVED GERANIUMS.

The value of this section is greatly enhanced by the beauty and profusion of its flowers, during the spring and summer months, varying from white to pink. For Rock Work, Vases, Hanging Baskets, they are admirably adapted.

Price 25 cents each, except noted.

GERANIUMS—CONTINUED.

- BRIDAL WREATH. Leaves bright pea-green, flowers white. 50 cents.
 BLUSHING BEAUTY. Flowers beautiful blush pink.
 FAIRY BELLE. Foliage glossy green, flowers rose blush; 35 cents each.
 GOLDEN. Ivy leaved, foliage golden.
 LADY EDITH. Carmine crimson, fine hybrid. \$1.00.
 HOLLYWREATH. Leaves green, blotched and margined with white, flowers light rose, profuse bloomer. 35 cents.
 PELTATUM ELEGANS. Distinct mauve colored flowers. 35 cents.
 PELTATUM VARIEGATUM. Pretty silver margined leaves, pink flowered, 35 cents.
 REMARKABLE. A distinct new variety, of a more decidedly climbing habit, leaves marked with a dark vandyke ivy shaped zone, with rose colored flowers. Well adapted for summer decorations in balconies, baskets and garden vases. \$1.00.

HELIOTROPES.

This sweet-scented flower is too well known to require comment. Flowers purple and lilac, sweet, perpetual; of a dwarf, neat, shrubby habit; very popular. Price 20 cents each; \$2 per doz.

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| BEAUTY OF BOUDOIR. Violet blue, white eye. | JERSEY BELLE. Dwarf dark. |
| CORYMBIFLORA. Light blue. | JULIET. Dark, fine. |
| ELEGANS. Dark violet. | MAD. KEIFER. Extra. |
| GEN. VALHUBERT. Deep violet. | MISS NIGHTINGALE. Dark, extra. |
| JERSEY BEAUTY. The finest blue colored variety. 50 cents. | NAPOLEON. Purple. |
| | SURPASSE GASCOIS. Light lilac. |

LANTANAS.

This shrubby, healthy, free-blooming bedder is one of the most desirable, flowering in neat clusters, white, rosy, lilac and orange. In some varieties, the colors are quite varied in the same cluster, but always bright and pleasing. It is one of the most constant, easily managed winter bloomers. Price 20 cents; \$1.50 per doz.

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| ADOLPHUS AVAS. Canary, dark center. | JULIUS CÆSAR. Crimson orange and yellow, extra fine. |
| ALBA GRANDIFLORA. Large white. | LUTEA CARMINATA. Orange and carmine. |
| BRILLIANTISSIMA. Yellow and scarlet. | MONFEK. Crimson, compact habit. |
| CLIMBING. Lilac, white eye. | MARCELLO. Lilac rose, changing to yellow. |
| DOM. CALMET. Clear lilac, red center, dwarf. | NE PLUS ULTRA. Scarlet, orange, shaded purple. |
| FLAVA LILICINA. Lilac, with yellow eye. | RAPHAEL. Purple, orange and rose. |
| GRAND SULTAN. Scarlet and fawn. | ROSEA MUTABILIS. Orange, crimson. |

PETUNIAS.

This favorite bedder has been wonderfully improved. Some of the New Double varieties are of almost incredible size, with excellent shape and colors; habit neat, compact, healthy, free blooming. The undernoted are all double varieties.

Price 25 cents each; \$2.50 per doz.

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| COMPACTA. Mottled. | POCAHONTAS. Maroon. |
| IMPERIALIS. Pure white. | ROSALIND. Maroon, purple. |
| KILVINGTON. Mottled white and purple. | SNOWBALL. |
| MAGNET. White blotched with purplish carmine. | STRIATA SUPERBA. |
| MRS. HENDERSON. | WM. WHITE. White, distinctly blotched with crimson. |
| PALLADIUM. | WM. HEINES. Crimson, purple, good. |

PYRETHRUMS (FEVERFEW).

Price 50 cents each.

ALBUM ROSEUM. Blush.
 KLEINHOLTZ. Bright crimson.
 MICHAEL BUCKNER. Magenta crimson.
 MONT BLANC. White, very fine.
 TOM POUCE. Red, very dwarf.

PHLOXES.

A very choice Herbaceous Perennial, of the easiest culture, perfect hardihood, nearly ever-blooming, and withal afforded at such low rates, no garden should be without them. They embrace every color, from purest white to darkest crimson; and, as they bloom well in partial shade, they are among the most useful plants we have, either for city gardens or for shrubbery.

NEW VARIETIES.

PRICE—50 cents each; the set for \$3.50.

AURANTIACA SUPERBA. Rich vermilion.
 CASSIOPE. Crimson violet.
 DAME BLANCHE. Fine white.
 GUARDIAN ANGEL. Milk white, large purple eye.
 LIERVALII. Dark rose, striped white, very distinct.
 MONS. MURET DE BONT. Very dark and rich.
 PARMENTIER. Brilliant crimson.
 VENUS. White, with vivid scarlet eye.

OLDER VARIETIES OF PREVIOUS INTRODUCTION.

PRICE—20 cents; per dozen, \$2.

ALBERTUS. Shaded purple and crimson.
 AURIEL DURIEZ. Pure white, carmine eye.
 BELLE NORMANDY. Salmon, perfect form.
 CARTERII. Dark crimson, fine.
 COMTESS OF MORTON. Rosy pink.
 COL. DUNDAS. Purple, large, fine.
 CROSS OF ST. LOUIS. Lilac, striped white.
 GEM. White purple edge, crimson eye.
 HEBE. White, crimson eye.
 L'ORIENTALE. Small, deep crimson.
 L'AVINER. Crimson, dark eye.
 LA BRAZIER. Lilac striped crimson, crimson eye.
 MADAME CUBITER. White, crimson eye.
 “ DOMAGE. White, large purple eye.
 “ POTHIER. Large, rose striped.
 “ DE COUNTESS DE MALVERT. White, large crimson eye.
 “ PIQUETTE. Large rose.
 “ THOMAM. Lilac red, crimson eye.
 MARIA BELLANGER. Rosy lilac.
 MISS SHIELD. Light blush, amaranth eye.
 MONS'R HUGH LOW. Fine dark crimson.
 NAPOLEON. Distinct, pink and white striped.
 PRINCESS ALICE. Pretty, dwarf white, crimson eye.
 RAPHAEL. Violet, deep eye.
 SNOWFLAKE. Pure white.
 VENUS. Carmine, blush eye.

HYBRID PERPETUAL ROSES.

Flowering at intervals through the summer; are by far the most popular family of Roses. They should have deep, rich soil and high cultivation, as they can only bloom on new shoots or growth.

ROSES—CONTINUED.

The following list of Roses are a selection of the more popular varieties. For a more extensive assortment, see Descriptive Catalogue, mailed free on receipt of 10 cents. Price 50 cents each, or \$4.50 per dozen, our selection.

ANNE DE DIESBACH. Bright rosy carmine, beautiful form, very large and double.

BELLE NORMANDY. Large, lavender blush, full, vigorous and fine.

CARDINAL PATRIZZI. Dark velvety crimson; a striking and beautiful variety.

COQUETTE DES ALPS. White, centre shaded carmine.

DUC DE ROHAN. Very large, light red shaded vermillion.

DUCHESSE D'ORLEANS. Rosy carmine, full and fine.

FISHER HOLMES. Large, full, red, imbricated and shaded, extra.

GENERAL WASHINGTON. Brilliant rosy crimson, approaching to scarlet, very large and fine form, free bloomer.

GENERAL JAQUEMINOT. Brilliant crimson scarlet, free bloomer; one of the best.

GIANT OF BATTLES. The most popular of this class of roses; brilliant, fiery crimson, fading to a purple, habit dwarf, vigorous and free blooming.

GILBERT SLATER. Light purplish rose, profuse bloomer.

LA REINE. Very large, light rose, double and fragrant.

MADAME DE ROUGEMONT. One of the best, most vigorous White Hybrid Perpetuals, medium size, full double, in clusters, very free, color light flesh, changing to pure white. 60 cents.

MADAME CHARLES WOOD. Brilliant red, changing to bright rose, vigorous, a superb rose.

MADAM FREEMAN. Brilliant rosy carmine, distinct and beautiful; a free bloomer. 60 cents.

OLIVER DELHOMME. Light, fiery scarlet, full double.

PEONIA. Clear cherry red, brilliant, good grower, blooms freely.

SOUVENIR DE ARVILLE. Scarlet, crimson shaded.

VISCOUNTESS DOUGLAS. Large, full, light pink, cupped.

MONTHLY ROSES.

Bourbon, Noisette, Tea and China Roses are popularly termed "Monthlies," flowering, as most do in pots, nearly every month, and in the open air constantly from June till severe frost.

BOURBON ROSES.

Price 40 cents each; \$4.00 per dozen.

APOLLINE. Light pink, double and compact, a profuse bloomer.

COMTE BOBRINSKI. Very bright scarlet, not full double.

DUCHESSE OF THURINGE. Cupped white, shaded lilac, very free.

EMPRESS EUGENIE. Superb, large, full, double, light flesh, vigorous.

GENERAL RENNO. Profuse, flesh, in clusters, vigorous.

GEORGE PEABODY. Rich, dark velvety crimson, with a scarlet shade.

HERMOSA. Light blush or flesh color, large, full and double, grows freely and blooms profusely; fine.

JACQUES AMYOT. Small, lilac, crimson centre.

JOSEPH GOURDON. Rosy flesh color.

MRS. BOSANQUET. Pale flesh color, large, double, perfect form; beautiful.

PIERRE DE ST. CYR. Pale rose, large and double.

QUEEN OF THE BOURBONS. Fawn-colored rose, beautiful and profuse bloomer.

SOUVENIR DE MALMAISON. Pale flesh with a fawn shade, very large, full and beautiful.

NOISETTE ROSES.

Most superb summer and autumn Roses, remarkable for exquisite shades of salmon and yellow. In a southern clime they become most magnificent perpetual climbers.

Price 40 cents each; \$4.00 per dozen.

ROSES—CONTINUED.

- AIMEE VIBERT. Pure white, blooms in large clusters, beautiful, and one of the hardiest of the class.
- AMERICA. Very large, fragrant, creamy, shaded salmon, superb.
- BARON DE MAYNARD. Pure white, fine form.
- CAROLINE MARINESSE. Small, in large clusters, white, very double.
- CELINE FORESTIER. Pale yellow, deeper towards the centre, free bloomer, extra.
- CITINA. Light blush, very durable, grows freely and blooms profusely.
- CROMATELLA (CLOTH OF GOLD). Bright sulphur yellow, very fragrant, magnificent.
- DEVONIENSIS. Climber, creamy white, with yellow buff center, very fragrant.
- ELLEMBERG. Brilliant crimson.
- ISABELLA GRAY. Exquisite golden yellow; very fragrant.
- LAMARQUE. Superb, tender climber, large, yellowish white, needs room.
- MADAME MASSOT. Small, in clusters, nearly white, good form, hardy.
- MARSHAL NEIL. Light yellow, of vigorous growth, and free blooming habit, large, most fragrant, full double; a great acquisition.
- OPHIRIE. Orange yellow, with variable buff or rosy tints; fine.
- SOLFATARE. Large, superb sulphur yellow, one of the best, vigorous.
- WASHINGTON. Pure white, in clusters, strong grower, double, fine.

CHINA OR BENGAL ROSES.

Of dwarf habit, highly esteemed for pots, but with good culture grow and flower freely in open ground. Treatment during winter the same as for Tea-Scented.

Price 40 cents each; \$4.00 per dozen.

- ABBE MOILAND. Dark rosy crimson, free.
- AGRIPPINA. Rich velvety crimson, superb, profuse, much esteemed.
- ARCHDUKE CHARLES. Rose, changing to crimson, free.
- BELLE DE MONZA. Very dark, velvety, thick, firm petal, profuse, pretty.
- CELS. Blush white, the buds tinted rosy, profuse.
- ETNA. Bright carmine, free and distinct.
- EUGENE BEAUHARNOIS. Rich crimson, large, free, fragrant.
- LAWRENCIA. Dwarf, or miniature monthly, small pink.
- LADY WARRENDER. Pure white, very fine.
- LUCULLUS. Dark crimson, free.
- MADAME BREON. Scarlet crimson, occasionally marbled with white.
- POUPRE DE TYRE. Vigorous, large, lilac purple.
- QUEEN OF LOMBARDY. Bright rosy, very profuse and full.
- SANGUINEA. Deep crimson, often with white stripe, open center, most profuse.
- WHITE DAILY. Old favorite sort, free, slender, creamy white.

TEA-SCENTED ROSES.

So called from their exquisite perfume. They are excellent bedders, and very fine for pot culture. Can be wintered in cold frame or cool, dry cellar. No place should be without them.

Price 40 cents each; \$4.00 per dozen.

- ADAM. Very large tender rose.
- AMENA. Pale rose color.
- BELLE CHARTRONNAISE. Large crimson velvet, shaded light red.
- BON SILENE. Used extensively for bouquets, of delicious fragrance; when in bud the handsomest rose grown. 75 cents.
- BOUGERE. Bronzy or lilac rose, very large, excellent, free, vigorous.
- CAMELIA. Crimson.
- DEVONIENSIS. Large, free, creamy, with yellow buff center, very sweet.
- ISABELLA SPRUNT. Pale yellow, beautiful bud.
- JEAN PERNETT. Lemon color, very double, beautiful.
- ESTHER PRADEL. Medium chamois yellow, changing to salmon.
- GEN. DUBERG. Deep rose shaded crimson, finest dark tea.
- GLOIRE DE DIJON. Very large, double, fragrant, free, vigorous, salmon buff, superlative, best of its color.
- GOUBALT. Yellow buff, very sweet.
- HOMER. Rosy, with flesh white or salmon center, free, superb.

ROSES—CONTINUED.

- LOUISE DE SAVOIE. Large, full, sulphur yellow, fine.
 MADAM WILLIAM. Pure white, pink center, fine.
 " BRAVY. Large, beautiful white, often shaded creamy or rosy, free, extra.
 " CRISTINE MEESTOR. Medium, brownish orange, petals flesh underneath, free, fine.
 " DAMAIZIN. Large, flesh shaded salmon, very free and fine.
 " DE STELLA. Strong grower, superb bronzy crimson.
 MADAM FALCOT. Bright yellow, shaded crimson, double, free and fine.
 REGULUS. Medium, flat, double, brilliant, coppery rose, center darker.
 SAFFRANO. Most splendid bud, center open, orange buff, free, fine.
 SOMBREUIL. Large creamy white, tinted, most superb, extra.
 PRINCESS MARIA. Rosy pink tinted, very free.
 REINE DE PORTUGAL. Deep bright golden yellow, shaded with rose, very full and fine.
 TRIUMPH DE LUXEMBURG. Very large, rosy bud, shaded deeper, distinct.
 VISCOMPT DE CAZES. Yellow, shaded with copper, distinct, free, superb.

MOSS ROSES.

Many acquisitions have recently been made to this favorite class of roses. The following sorts are the most valuable of both old and new varieties. They require good treatment.

Price, \$5 for the six.

- COUNTESS OF MURINAIS. Pure white, vigorous, fine rose. \$1.
 CRESTED (CRISTATA). Very distinct, buds exquisitely fine. \$1.
 CAPT. JOHN INGRAM. Purplish crimson, violet shade. 60 cents.
 GLORY OF MOSSES. Pale rose, very large, full and beautiful. \$1.
 LANEIL. Rosy crimson, shaded with purple, superb. 60 cents.
 WHITE BATH. Pure white, beautiful, occasionally striped. \$1.

PERPETUAL MOSS ROSES.

Price, \$1 each, or the six for \$5.

- ALFRED DE DALMAS. Low, large, blush pink, vigorous and very free bloomer.
 GEN. DRUOUT. Purplish crimson, free, but not so good fall bloomer.
 JAMES VEITCH. Very deep purplish crimson, shaded maroon.
 MADAME EDWARD ORY. Bright rosy, in clusters, profuse, constant, fine.
 PERPETUAL WHITE. Pure white in large mossy green clusters, distinct, good grower and very popular.
 RAPHAEL. Light blush, in clusters, vigorous, very mossy, very sweet, extra fine.
 SALET. Fine, light rose, vigorous and good, perpetual bloomer, splendid variety.

CLIMBING ROSES.

These are admirably adapted for covering walls, trellises, old trees, unsightly buildings, etc. Among them the PRAIRIE ROSE take the first rank. Their rapid growth, perfect hardiness, luxuriant foliage, immense clusters of beautiful flowers, and their late blooming commend them at once to every one who wants a splendid Climbing Rose.

Price, 40 cents each, except noted.

- ANNA MARIA. Blush, with fleshy tinge in the center, clusters large.
 BALTIMORE BELLE. Blush, becoming white, in immense clusters, very popular.
 GEM OF THE PRAIRIE. A fine grower and free bloomer, fragrant flowers. \$1.
 MRS. HOVEY. Resembles Baltimore Belle.
 MULTIFLORA KENTUCKY. Superb, hardy climber, very free, double blush, late.
 QUEEN OF THE PRAIRIES. Large, rosy, free, in clusters, very hardy.
 SEVEN SISTERS. Large clusters of many colored flowers, blush to crimson.
 TENNESSEE BELLE. New double, carmine.

SALVIAS.

A most elegant bedding plant, of easy culture; flowers very brilliant; generally planted in clumps, or lawn borders and center of small beds. These are indispensable in the smallest collection.

Price, 20 cents each; \$2.00 per dozen.

SALVIAS—CONTINUED.

CACALIFOLIA. Fine blue.
 COCCINNEA. Light crimson.
 GRAHAMII. Lavender and white.
 GESNERIFOLIA. Winter-blooming,
 scarlet.
 LEUCANTHA. Fine blue, winter.
 OFFICINALIS VARIEGATA. Va-
 riigated foliage.

PATENS. Fine azure blue.
 ROSEA. Very vigorous, free winter-
 blooming rosy.
 SPLENDENS. Brilliant, scarlet.
 GORDONI. Bril-
 liant scarlet, dwarf,
 compact habit.
 TRICOLOR. Three colored.

NEW SEEDLING VERBENAS OF 1871.

I have selected the following varieties from among many Seedlings. These I consider very distinct in color, fine bedders, and vigorous growers.

BLOOMINGTON. Reddish pink, very dark crimson eye, novel and striking.
 BEAUTY. Very fine white, splendid habit, free bloomer.
 CARRIE P. Splendid scarlet, large white eye, profuse bloomer.
 CHATTERBOX. Bright pink, white eye, close habit.
 CATHERINE. Deep purple, black eye, very distinct and fine.
 EVANGELINE. Large, white tinted blush, fragrant.
 GREGORY. Light blue striped pink, peculiar and pretty.
 GULSBORO. White, speckled and striped, purple center.
 HAZEL. Peculiar lavender blue, bright and beautiful.
 LUCY. Pretty pink, deep crimson eye, profuse bloomer.
 MACKINAW. Fine magenta, close habit.
 MRS. JACKMAN. Large scarlet, shaded crimson.
 MISS FANNY. Similar to Boule de Neige, more vigorous, flowers finer.
 MAYDAY. Light blush, with rich, large carmine center, very fragrant.
 NORMAL. Splendid deep blue, very fragrant.
 NONSUCH. Large, beautiful light purple; white edged.
 REGULATOR. Rich, deep scarlet, pure white eye, very fine.
 SURPRISE (Baller's). Velvet purple, distinct white eye.
 STRIKER. Pure white, striped scarlet and carmine, very fine and true, not liable to sport.
 WOOLLOO. A very distinct yellowish white.

The above new varieties, 35 cents each; \$3.50 dozen. The whole set \$5.00

VERBENAS, GENERAL COLLECTION.

Most beautiful and popular bedding plant; a most superb stock and assortment.
 Price 15 cents each; \$1 per dozen; \$7 per 100.

SEED SAVED FROM THE CHOICEST VARIETIES, 20 CENTS PER PACKET. GOOD MIXED, 10 CENTS PER PACKET.

ADA. Blush white, carmine eye.
 ADONIS. Crimson rose, white eye.
 ALASKA. Cherry red, yellow eye.
 AMERICA. Large scarlet.
 BARON HUMBOLDT. Maroon,
 large white,
 BLACK BEDDER. Very dark ma-
 roon.
 BISMARCK. Blood red, white eye.
 BLACK DIAMOND. Dark maroon.
 BLACK PRINCE. Plum color, robust.
 BLONDEL. Cherry crimson.
 BLUE BEAUTY. Indigo-blue, white
 eye.
 BRILLIANT DE VAISE. Large
 scarlet, good bedder.
 CAMBRIDGE BELLE. Claret red,
 yellow eye.
 CELESTIAL. Crimson claret, violet
 eye.

CHAMPION. Extra large scarlet.
 CHARMING. White pink eye.
 CHIPPEWAY. Velvety crimson.
 CORA. Rosy scarlet, crimson eye.
 CONSPICUA. Ruby scarlet, white eye.
 DARKNESS. Deep maroon.
 DISTINCTION. Solferino, dark eye.
 DICTATOR. Beautiful crimson.
 DEXTER. Deep maroon, yellow eye.
 ECLIPSE. Scarlet crimson.
 EMMELINE. Light scarlet, extra
 bedder.
 ETNA. Splendid white, shaded blush.
 FANCY. White, purple eye.
 FIRE CLOUD. Fiery scarlet, yellow
 eye.
 FIRE-COLUMN. Large scarlet, extra.
 GEM OF THE WEST. Salmon pink.
 GIGANTIC. Crimson, floret, 1 inch in
 diameter.

VERBENAS—CONTINUED.

GOLIAH. Carmine, speckled crimson.	PHILADELPHIA. Carmine and white.
HARMONY. Pink, dark eye.	PUNCTATA. Spotted and striped carmine.
HATTIE. Blue, violet shade.	ROSETTA. Rosy pink.
IMPERATRICE ELIZABETH. Light purple, striped white.	RISING SUN. Crimson, white eye.
IVANHOE. Rich blue, white eye.	RUTH. Lilac blue.
JOHN KEYNES. Large, scarlet, white eye.	SAPPHO. Lavender blue.
LAVINIA. Pink, crimson eye.	SENSATION. Waxy white, carmine eye.
LORD LEIGH. Dazzling scarlet, white eye.	SNOWFLAKE. White, extra fine.
LOYALTY. Scarlet crimson, black eye.	SULPHUREA. Yellowish white.
LUCINDA. Salmon scarlet.	SUPERBA MAJOR. Clear white, crimson blotched.
MIRIAM. Rose and white.	STRIATA PERFECTA. White, lavender striped.
MONSTROSUS SUPERBA. Deep plum color, extra.	TRICOLOR. Carmine, crimson and orange.
MRS. MATTESON. Lilac pink.	TRIUMPHANS. Scarlet, dark eye.
MRS. WILSON. Crimson, yellow eye.	TYRONE. Blue magenta, clear white eye.
MRS. WOODRUFF. Large, bright scarlet.	VELVET MANTLE. Velvety, crimson scarlet.
NOVELTY. Striped pink and magenta.	WHITE GEM. Improved Boue de Neige.
PEACE. White, fragrant.	UNIQUE. White, carmine spot.
PRETENDER. Purplish carmine, white eye.	

CLASS III.

ADDITIONAL GREEN-HOUSE AND BEDDING PLANTS.

Price 25 cents each, except noted. BEDDERS marked (*).

- *AGAPANTHUS. African Lily, beautiful, profuse, blue, large clusters. \$1 each.
- *AGAVE (Century Plant).—2. Common and striped leaved, elegant, renowned, 50 cents to \$1.00 each.
- *AGERATUM—Tom Thumb, Prince Alfred. Album, Mexicanum and Variegatum, white and light blue, profuse, perpetual, desirable. 20 cents each; \$1.50 per dozen.
- ALLAMANDA CATHARTICA. Nerifolia. Schotti, warm green-house climbers, with beautiful yellow bell-shaped flowers. 50 cents.
- *ALYSSUM. Sweet, fragrant. 20 cents each; \$1.50 per dozen.
- " VARIEGATUM. Silver edged, beautiful. 20 cents each; \$1.50 per dozen.
- AMARYLLIS JOHNSONI. Green-house bulb, stalks 12 to 18 inches, magnificent Lily, blossoms in Spring, deep red striped white. Price \$2.50 each.
- *AMARANTHUS (Tri-color). Low, hardy, very pretty, crimson, green and yellow foliage. 15 cents each; \$1.50 per dozen.
- ANTIRRHINUM. Silver belt, beautiful form, free bloomer, foliage variegated.
- ARDISIA CRENULATA. Fine evergreen green-house shrub, with scarlet berries. 50 cents to \$1 each.
- *ARTEMISIA STELLARIS. New dwarf white foliated bedder.
- AUCUBA JAPONICA. Japan Gold Dust Tree, broad spotted leaved evergreen. Green-house here, hardy South. 75 cents each.
- AZALEA. Indica, Winter and Spring bloomer of great variety and beauty; named varieties. 50 cents to \$1 each.
- BAMBUSA VARIEGATA. A low dwarf Bamboo, leaves variegated. 50 cents each.
- BLETIA TANKERVILLEA. A splendid Orchid, succeeds well in a warm green-house, with a mixture of loamy peat; flowers white and brownish crimson, two inches in diameter. Price, \$1.

- BOUSSINGAULTIA VARIEGATA.** A beautiful species of the Madeira Vine, without the tendency to climb; leaves variegated green and white; a great addition to our basket and vase plants.
- CACTUS.** A collection, very odd, flowers very beautiful. 25 cts.; \$2.50 per doz.
- CALCEOLARIA.** Two classes, Hybrid and *Shrubby, both showy. The Shrubby do best in a cool north exposure over summer. 25 cents each; \$2.50 per doz.
- CALLA.** Ethiopian Lily; large, showy, easily kept house plant, needing plenty of water in the growing season. 25 cents each; \$2.50 per dozen.
- CALLA ETHIOP. NANA.** Dwarf, free blooming, desirable. 50 cts.; \$4 per doz.
- CAMELLIA JAPONICA.** Most beautiful Winter flower, white and red, selfs or stripes, many named varieties, and of different sizes; does best in cool, moist air, except when growing, then it prefers considerable heat. \$1 to \$2 each; \$9 to \$20 per dozen.
- CANNA (Indian Shot).** Many varieties. 20 cents each; \$2.00 per dozen.
- CENTRADENIA.** Floribunda, Grandiflora, Rosea, dark foliage, pretty pink Winter flowers. Price, 30 cents; \$3.00 per dozen.
- CESTRUM AURANTIACUM.** Showy, winter blooming shrub, attaining a height of one or two feet; flowers orange. 35 cents.
- *CESTRUM PARQUI.** Night blooming, green flowered, fragrant. 35 cents.
- *CHAMOMILE.** Double, a medicinal plant, with pretty yellow flowers. 15 cents each; \$1.00 per dozen; \$5.00 per hundred.
- COBEA SCANDENS.** Green-house or bedding climber.
- CORONILLA GLAUCA.** Evergreen shrub; trusses of yellow, pea-flowered blossoms very profuse early in Spring. Very ornamental. 50 cents.
- COSTOS ZEBRINA.** A low growing herbaceous plant, leaves green and white. 50 cents.
- *CUPHEA.** Platycentra, good bedder and Winter bloomer. 15 cts.; \$1.50 per doz.
- CYCLAMEN PERSICUM.** Fine Winter blooming bulb. 50 cents each.
- DAPHNE (Odora Indica).** White, stout, thick, glossy foliaged green-house shrub, with clusters of the most exquisitely fragrant flowers. 50 cents to \$1 each.
- DENDROBIUM NOBILE.** Splendid Winter blooming Orchid; flowers crimson, white and purple. \$1 each.
- *DIELYTRA.** Spectabilis (Bleeding Heart). Very curious and beautiful, immensely hardy, long in bloom, foliage neat, flowers pendant from arcs or sprays, fine crimson, with white gem-like stamen or border, protruding, admirable for forcing, 2 feet; May and June. \$2.50 per dozen.
- DIOSMA.** Evergreen shrub, delicate, fragrant foliage, neat, white flowers. 75 cts.
- DRACAENA TERMINALIS.** Green-house plant, leaves large, variegated dark green and scarlet; very showy; strong plants, 75 cents.
- DRACENA MARGINATA.** Leaves crimson, shaded with light red. \$1.
- ECHITES PICTA AND NUTANS.** Splendid stove climbers. 50 cents.
- ERANTHEMUM PULCHELLUM.** Blue. Fine for winter blooming. 35 cts.
- EUCHARIS AMAZONICA.** Amazon White Lily. Bulb, winter blooming, leaves large, rich glossy green; flowers very beautiful, star-shaped, pure white, fragrant. Price, 75 cents.
- EUONYMUS.** Very elegant half-hardy dwarf evergreen shrubs. The following are very beautiful new variegated green and gold-leaved sorts: Latifolia Maculata, Latifolia Variegata, Rotundifolia Mediopicta, Sulphurea Marginata, Argentea, Tricolor. Price, 30 cents.
- EUPATORIUM (Angustifolia, Arboreum, Elegans).** Very desirable, white, winter blooming; allied to Ageratum. 20 cents each; \$2 per dozen.
- EUPHORBIA.** (Jacquiniflora and Splendens). Showy scarlet, winter blooming. 35 cents each; \$3 per dozen.
- FABIANA (Imbricata).** Delicate Evergreen, with neat white spring flowers. 25 cents each; \$2.50 per dozen.
- *FEVERFEW.** Double white. One of the very best plants for bedding. 15 cents each; \$1.50 per dozen.
- GOLDEN FEATHER.** Dwarf foliage, yellowish, much esteemed. Price 15 cts.; \$1.50 per dozen.
- *FICUS ELASTICA (or India Rubber Tree).** Splendid glossy foliage, vigorous grower. 50 cents to \$1 each.
- FORGET-ME-NOT (Myosotis, Imperatrice Eugenie).** Blue, pretty. 15 cents each; \$1 per dozen.
- *GAZANIA.** Splendens, splendens variegata. 20 cents each; \$2 per dozen.

- GNAPHALIUM LANATUM.** Downy, white-foliaged creeper; very excellent bedder—every way desirable. 20 cents each; \$2 per dozen.
- GYNERIUM ARGENTEUM** (Pampas Grass from South America). Tall, graceful. 30 cents each; \$3 per dozen.
- *HABROTHAMNUS.** Tall shrub; profuse, tube-like, red-flowers, winter and summer. 35 cents each; \$3 per dozen.
- HETEROCENTUM** (Roseum and Album). Very fine, mostly winter bloomers. 25 cents each; \$2.50 per dozen.
- HEBECLINUM ZANTHINUM.** Fine winter-blooming plant. 75 cents each.
- HOYA CARNOSA** (Wax Plant). Climbing, with very thick leaves, bearing exquisite wax-like flowers. 25 cents; \$2 per dozen.
- “ **BELLA.** Delicate, waxy, star-shaped flowers, very beautiful. 50 cents each.
- “ **VARIEGATA.** A distinct and beautiful variety. 50 cents each.
- JAPAN PRIVET VAR.** (*Ligustrum Ovalifolium Aureum*). Foliage handsomely variegated. Price 25 cents.
- JASMINE OR JESSAMINE.** Climbing and upright shrubs, flowers very fragrant. Catalonian (climbing). Maid of Orleans (shrub). *Hirsutum* (climbing). *Nudiflorum* (climbing), and **Yellow* (shrub). 30 cents each; \$3 per dozen.
- *JUSTICIA (Speciosa).** Large leaf and spike of pink flowers in Spring. 35 cents each.
- *JERUSALEM CHERRY.** Well-known, showy fruit. 25 cents; \$2.50 per doz.
- LOQUAT.** Japan Plum. *Mespilus* evergreen. 50 cents each; \$4.50 per dozen.
- LAURUSTINUS.** Esteemed white Winter flowering shrub. 25 cents each; \$2 per dozen. Strong Plant. 50 cents each; \$4.50 per dozen.
- LIBONIA FLORIBUNDA.** Green-house shrub, of 12 inches in height. Flowers an inch long, scarlet, orange at base, at top deep yellow. December to May. 25 cents each; \$2.50 per dozen.
- LINUM TRYGYNUM.** Green-house shrub, showy yellow, Winter bloomer. 35 cents each.
- LOPEZIA MINNEATA, ROSEA.** Beautiful white and rose, Winter bloomer. 25 cents; \$2.50 per dozen.
- MAGNOLIA FUSCATA.** Evergreen, Southern variety, very fragrant; Spring flowers. Good plants. 75 cents each.
- MAHONIA JAPONICA.** Showy evergreen foliage, may be hardy. \$1 each.
- MAHERNIA.** Pretty evergreen foliage, fragrant yellow Spring flowers, pretty for baskets. 25 cents each; \$2.50 per dozen.
- MANDEVILLEA SAUVEOLENS.** Warm green-house climber, white Summer bloom, very beautiful. 50 cents.
- *MESEMBRYANTHEMUM** (*rosea* and *alba*). Succulent trailers, showy, starry flowers in Spring and Summer. 25 cents each; \$2.50 per dozen.
- MIMULUS.** *Moschatus*, Musk Plant, fine for baskets and vases. 15 cents. \$1.50 per dozen.
- *MIGNIONETTE.** Fragrant, well-known. 15 cents; \$1.50 per dozen.
- MYRTUS.** *Sinensis*, flowering plant, fragrant foliage, small, white Summer flowers. 50 cents each.
- OLEA FRAGRANS—OR OLIVE.** Evergreen shrub, foliage dark green, flowers white, Winter blooming, exquisitely fragrant. A favorite South. Strong plants. 75 cents.
- OLEA ILLICIFOLIA.** Holly leaved variety with spiny leaves. Strong plants. 75 cents.
- OXALIS BOWEII, Cernua, Versicolor, Alba.** Greenhouse bulbs, with neat clover-shaped foliage, small showy dwarf, bloom of different colors. Per pot, 50 cents each.
- PENTAS CARNEA.** Low greenhouse shrub; tubular, profuse, lilac, flesh-colored flowers in Winter. 20 cents each; \$2.00 per dozen.
- PEPEROMIA MACULOSA.** Greenhouse plant from South America. Dwarf, dense foliage, silvery cordate; requires shade. Price 50 cents.
- PHYGELIUS CAPENSIS.** A profuse Summer and Fall-blooming bedding plant, spikes 18 inches high, flowers tubular red, yellow throat. 20 cents.
- PITTOSPORUM.** Pale yellow and rosy, fragrant May flowers, evergreen shrub. 50 cents to \$1.00.
- *PLUMBAGO.** (*Larpetæ*). *Capensis*, low, nearly hardy herbaceous, late, rich purplish blue. 20 cents each; \$2.00 per dozen.

- POLYGONUM REFLEXUM.** Greenhouse plant, curious spreading habit ; foliage small, round, pretty for baskets. Price 35 cents.
- *POMEGRANATE.—2.** Double scarlet and white flowering, gorgeous Summer-flowering shrub, but needs considerable room. 30 cents each ; \$3.00 per doz.
- RIVINIA HUMILIS.** Annual, 12 to 18 inches, crowned with long racemes of scarlet, currant-like berries ; very ornamental. Price 25 cents ; \$2.00 per doz.
- *RUELIA FORMOSA.** Soft wooded, 9 to 12 inches in height, showy, profuse scarlet, Summer and Winter. 25 cents each ; \$2.50 per dozen.
- RUSSELIA.** Juncea, rush-like foliage, neat crimson flowers in Summer. 20 cents ; \$2.00 per dozen.
- STATICE PICTA.—Or Ameria Elegans—**Very pretty, Spring and Summer dwarf pink. 25 cents each.
- STEVIA.** Serrata, Compacta, vigorous, useful profuse winter-bloomer, flowers very small, white. 25 cents each ; \$2.50 per dozen.
- *STOCKS.** Ten weeks double. 25 cents each ; \$2.50 per dozen.
- STROBILANTHES LELICTUS.** Leaves covered with a purple down ; handsome. 50 cents.
- TABERNAMONTANA ALBA,** fl. pl. Exquisitely fragrant, double flowering shrub. 75 cents each.
- TACSONIA MANICATA.** Allied to the Passion Flowers ; stove climber, will probably bed well here in the open air. 30 cts. each ; \$3.00 per doz.
- “ **VON VOLXEMI.** Profuse blooming, flowers bright orange scarlet, growth more delicate than the above. 75 cents.
- “ **BUCHANANI.** Flowers almost double, brilliant crimson. 75 cents.
- TRADESCANTIA DISCOLOR.** Upright herbaceous plant ; large dark green leaves, with purple under ; very curious. 50 cents.
- *TRICYRTIS GRANDIFLORA.** Herbaceous, hardy, late October and November ; flowers lilac and white, much like certain Orchids or Air Plants, fragrant, fine for bouquets. 50 cents each.
- VERONICA, DEVONIANA, IMPERIALIS, RUBRO VIOLACEA.** A beautiful class of plants ; flowers from four to six inches long, borne on spikes, blooming during the Fall and Winter months. 50 cents each.
- VINCA.** Double purple.
- WALLFLOWER.** Useful, fragrant, and very ornamental.

ORNAMENTAL GRASSES.

Distinct and beautiful sorts, nearly all with variegated foliage.

Price 15 cents each ; \$1.00 per dozen, our selection.

CLASS IV.

HERBACEOUS PÆONIES.

Noblest of Herbaceous Perennials ; perfectly hardy, wonderfully showy, and of the easiest culture. They thrive in any good soil. The varieties from earliest to latest, afford a succession of bloom for over a month.

Named varieties, a choice selection, 25 cents each ; \$2.50 per dozen.

Mixed varieties, 15 cents each ; \$1.50 per dozen.

HARDY HERBACEOUS FLOWERING PLANTS.

Valuable for the border, of easy cultivation, hardy, permanent, and of most pleasing variety, blooming from early Spring to Winter, their culture is becoming very popular.

Price 25 cents, except noted ; \$2 per dozen, our choice.

ACHILLEA—(Milfoil) MILIFOLIA RUBRA, deep red, 15 inches, July to August.

Parmica Alba, pl, double white, 18 inches, July.

ACONITUM—(Monkshood) pale blue, veined purple, robust, 2 to 3 feet ; September. **Napellus,** pale blue, tipped yellow ; 18 inch ; September.

ANTIRRHINUM—(Snapdragon) many varieties. 20 cents each ; \$1.50 per dozen.

AQUILEGIA—Alpina, (Columbine,) 2 feet ; July, hardy, highly ornamental, of many sorts and colors. 20 cents each ; \$2 per dozen.

- ARUNDINARIA—Ribbon grass, showy. 15 cents each; \$1 per dozen.
- ARMERIA DIANTHOIDES—Rose color; fine for edging of borders.
- BELLIS—Perennis, (Daisies,) double sorts, pretty. 20 cents each; \$2 per dozen.
- CALLIRHOE. Involucrata, new, showy, crimson trailer; Summer. Pedata, violet purple, white eye.
- COMPANULA, (Bellflower). Double and single, blue, lilac, rose and white. Grandiflora Cerulea, large blue, 1½ feet. Pyramidalis, blue. Pyramidalis Alba, white; 1 foot.
- CARNATION. Double and striped. 20 cents each; 2.00 per doz.
- CATANANCHE. Cerulea, pale blue, 6 inches; July. Bicolor, white, violet center. Lutea, yellow. 20 cents each; \$1.50 per doz.
- CONVALLARIA. Majalis, (Lily of the Valley,) small, exquisitely neat, fragrant, showy, white bells, foliage large, 6 inches; May. 20 cents each; \$1.00 per doz.
- DELPHINIUM, (Larkspur). Formosum, most beautiful blue with white centre, 3 feet; July and August. Sinensis, of lower growth, with blue flowers.
- DIANTHUS. A fine collection, 15 cents, except noted. Diadem Pink. Chinese Imperial, Imperialis, fl. pl., double, 25 cents; Grass Pinks. Hedewigii, splendid. Lacianatus, fine, 25 cents. Besides these we have a collection of fine named Florist's Pinks, 25c. each.
- DIELYTRA—Spectabilis, (Bleeding Heart,) very curious and beautiful. \$2 per doz. Alba, new white variety, more dwarf than the crimson and equally hardy; 75 cents.
- DIGITALIS. Many varieties, very showy plants; 20 cents each, \$2 per dozen.
- FRENCH HONEYSUCKLE. Red and white
- FUNKIA. (Day Lily). Blue, showy, 1 foot; June and July. White Japan, flowers pure white, very beautiful and exquisitely fragrant, covered with litter, hardy over winter, 1 foot; June and July. 50 cents each; \$5.00 per dozen.
- GEUM ATROCOCINEUM. Dark scarlet. Atrosanguineum, very dark variety.
- GYPSOPHYLLA. Free flowering, elegant plant. 20 cents each; \$2.00 per dozen.
- HEMEROCALIS UMBELLATUM CARNEA. Flesh color. Fulva, orange, in large clusters, very fragrant. Humboldtii variegata, 50 cents. 3 ft. June.
- HOLLYHOCK. Fine, ornamental for groups or shrubberies.
- IPOMOPSIS. Very handsome, free flowering plants. 20 cents each; \$2.00 per doz.
- IBERIS. Border plant; one foot.
- LAVENDER. Cultivated for the delicious fragrance of their flowers.
- LIATRIS Spicata. Pycnotachys, flowers numerous, showy native purple, bulbous, 4 feet. July. 20 cents each; \$2.00 per dozen.
- LINUM, PERENNE (Flax). Alba, fine white. Luteum, yellow.
- LUPINUS. The Lupines are very showy and pleasing; Magnificus, violet and white; Magnificus alba, white; 1 to 4 feet. Polyphyllus, blue.
- LYCHNIS. Single, fine, scarlet, 2 feet. July. Chalcedonica, Mutabilis, Alba, Haageana, Grandiflora, Flosculi, fine dwarf, large flowered, different shades, mostly scarlet. 20 cents each; \$2.00 per dozen.
- MYOSOTIS (European Forget-me-not). Low, blue. May to August.
- OENOTHERA. Cinnabarina, orange and salmon; Taraxacifolia, pure white; Missouriensis, yellow. Riparia, low, yellow.
- PAMPAS GRASS. From the Pampas of South America, rearing lofty, silvery plumes of grassy bloom. The roots winter easily in cellar. 30 cents.
- PAPAYER (Poppy). Bracteatum, scarlet, showy, 3 ft. June. Croceum, bright yellow, in long succession, fine. Orientalis, large, brilliant, orange, scarlet, 2 ft. June and July.
- PENSTEMON. Barbatus Coccinea, Lobbii, Murrayana, long, graceful spikes of fine shaped and richly colored flowers. 3 ft. July.
- PHYGELIUS CAPENSIS. A profuse Summer and Fall blooming bedder; spikes 18 inches high; flowers tubular, red, with yellow throat.
- POTENTILLA (Varieties). A splendid tribe of profuse blooming plants. 20 cents each; \$2.00 per dozen.
- PRIMULA. Polyanthus or Primrose, early, low, many colors, very pretty. 20 cents each; \$2.00 per dozen.
- RANUNCULUS. Bulbosa, double, yellow, very profuse, neat, perfectly double flowers, 3 feet; May.
- ROCKET. Single, lilac and white, very fragrant and showy, 2 feet. 20 cents each; \$2.00 per dozen.

- SPIREA. *Filipendula*, Alba Pleno, white, double, 1½ feet; June. *Japonica*, beautiful white spikes, 1 foot; June. *Lobata*, salmon, beautiful, 3 feet; June. *Variegata*, variegated leaves, white flowers, 2 feet; June. *Venusta*, pink.
- SWEET WILLIAM. An old and popular variety greatly improved. 20 cents each; \$2 per dozen.
- TRICYRTIS GRANDIFLORA. Herbaceous, hardy, late October and November; herb lilac and white, much like certain Orchids or Air Plants, fragrant, fine for bouquets. 50 cents each.
- VERONICA. *Amethystica*, pale blue, 18 inches; July. *Elegans*.

CLASS V.

VASE AND BASKET PLANTS.

Price 25 cents each, except noted.

- AMPELOPSIS VEITCHII. A very pretty climber; in the fall the leaves change to a beautiful crimson carmine. 50 cents each; \$4.50 per dozen.
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- “ MARGINATA ELEGANS. Elegantly margined. 20 cents.
- “ “ ROBUSTA. Stronger branched, margined fine. 20 cents.
- “ GERMAN. Handsome climber. 20 cents each; \$2 per dozen.
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